

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر أكتوبر

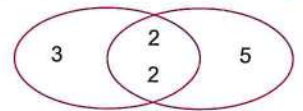


1. Choose the correct answer.

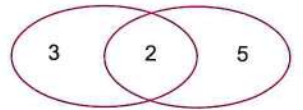
1. 235 is divisible by _____
 A. 2 B. 3 C. 5 D. 10
2. The number _____ is divisible by both 2 and 5
 A. 206 B. 425 C. 524 D. 620
3. Which of the following is divisible by 4 ?
 A. 441 B. 160 C. 483 D. 514
4. All the following are divisible by 6 except _____
 A. 924 B. 120 C. 663 D. 252
5. "331 + _____" is divisible by 3
 A. 0 B. 1 C. 2 D. 3
6. If the prime factorization of a number is $2 \times 2 \times 2$, then the number is _____
[Alexandria - West 24]
 A. 8 B. 4 C. 6 D. 222
7. 4 is a factor of _____
[El Menia - Matay 24]
 A. 40 B. 39 C. 38 D. 37
8. The number which its prime factors are 2, 3 and 5 is _____
[El Beheira - Kafr El Dawar 24]
 A. 10 B. 15 C. 30 D. 13
9. The common factor of all numbers is _____
[Kafr El Sheikh - Bayala 24, El Menofia - El Sadat 24]
 A. 0 B. 1 C. 2 D. 3
10. Which of the following are relatively prime numbers ?
[Ismailia 24]
 A. 4 and 6 B. 8 and 15 C. 8 and 18 D. 8 and 24
11. The G.C.F of two relatively prime numbers is _____
[Giza - Bolak 24]
 A. 0 B. 1 C. 2 D. 3
12. The G.C.F of 6 and 9 is _____
[Cairo - El Mokattam 24]
 A. 3 B. 18 C. 36 D. 1
13. The G.C.F of 6 and 10 is _____
[Cairo - El Zaitoun 24]
 A. 2 B. 3 C. 6 D. 10
14. The G.C.F of 4 and 9 is _____
[Cairo - El Maadi 24]
 A. 1 B. 4 C. 9 D. 36
15. The L.C.M of 4 and 12 is _____
[Port Said 24]
 A. 2 B. 4 C. 8 D. 12

16. In the opposite Venn diagram, the G.C.F is _____
 A. 60 B. 4
 C. 6 D. 20
17. In the opposite Venn diagram, the L.C.M is _____
 A. 2 B. 15
 C. 30 D. 10
18. In the opposite Venn diagram, the L.C.M is _____
 A. 1 B. 3
 C. 2×5 D. 30
19. $10 + 45 = 5 [\text{_____} + \text{_____}]$
 A. 10, 40 B. 5, 40 C. 9, 5
20. $35 + 42 = \text{_____} [5 + 6]$
 A. 35 B. 30 C. 6
21. _____ + _____ = $12 [5 + 1]$
 A. 17, 13 B. 60, 12 C. 60, 1
22. $24 + 16 = \text{_____}$
 A. $16 [2 + 1]$ B. $8 [3 + 2]$ C. $2 [12 + 6]$
23. $5 + 12 = \text{_____} [5 + 12]$
 A. 1 B. 5 C. 12
24. $\frac{2}{7} + \frac{3}{7} + \frac{5}{7} = \text{_____}$
 A. $\frac{8}{7}$ B. $\frac{9}{7}$ C. 1
25. $1\frac{2}{5} + 3\frac{1}{5} = \text{_____}$
 A. $3\frac{4}{5}$ B. $4\frac{3}{5}$ C. $3\frac{4}{10}$
26. $\frac{1}{2} + \frac{1}{3} = \text{_____}$
 A. $\frac{2}{5}$ B. $\frac{5}{6}$ C. $\frac{1}{6}$
27. $6\frac{1}{8} + \frac{3}{4} = \text{_____}$
 A. $7\frac{3}{4}$ B. $6\frac{7}{8}$ C. $6\frac{5}{8}$
28. $5\frac{1}{2} + 3\frac{1}{5} = \text{_____}$
 A. $8\frac{2}{7}$ B. $8\frac{7}{10}$ C. $8\frac{1}{2}$
29. $\frac{7}{9} - \frac{5}{9} = \text{_____}$
 A. $\frac{14}{9}$ B. $\frac{2}{9}$ C. $\frac{75}{99}$

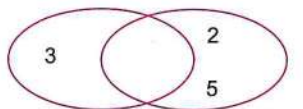
[El Monofia - Sers El Layan 24]



[El Beheira 24]



[Cairo - El Mokattam 24]



[Kafr El Sheikh - Bayala 24]

D. 2, 9

[Cairo - El Sahel 24]

D. 7

[Kafr El Sheikh - Bayala 24]

D. 5, 12

[Ismailia 24]

D. $4 [6 + 12]$

[Giza - Awseem 24]

D. 60

[El Monofia - El Bagour 24]

D. $1\frac{3}{7}$

[Giza - Bolak 24]

D. $3\frac{1}{5}$

[Port Said 24]

D. $\frac{2}{6}$

[Cairo - El Mostabal 24]

D. $7\frac{4}{8}$

[Cairo - El Mokattam 24]

D. $8\frac{2}{5}$

[Cairo 24]

D. $\frac{14}{18}$

30. $\frac{11}{7} - \frac{8}{7} = \underline{\hspace{2cm}}$

A. $\frac{3}{7}$

B. $\frac{19}{7}$

C. $\frac{3}{14}$

[El Beheira - kafr El Dawar 24]

D. $\frac{19}{14}$

31. $\frac{3}{4} - \frac{1}{11} = \underline{\hspace{2cm}}$

A. $\frac{2}{7}$

B. $\frac{37}{44}$

C. $\frac{29}{44}$

[Cairo - Rod El Farag 24]

D. $\frac{2}{11}$

32. $\frac{3}{8} - \frac{1}{4} = \underline{\hspace{2cm}}$

A. $\frac{3}{8}$

B. $\frac{1}{4}$

C. $\frac{1}{8}$

[Port Said 24]

D. $\frac{3}{4}$

2. Complete the following.

1. Each number is divisible by _____

2. $4 \times \underline{\hspace{2cm}} = 24$, then _____ is a multiple of each of _____ and _____, and also is divisible by each of _____ and _____.

3. The common multiple of all numbers is _____

[El Fayoum - West 24]

4. _____ has one factor only.

[Port Said - North 24]

5. $12 + 6 = 6 [\underline{\hspace{2cm}} + \underline{\hspace{2cm}}]$

[Cairo - El Mostabal 24]

6. $7 [5 + 3] = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

[Souhag 24]

7. $3 [\underline{\hspace{2cm}} + \underline{\hspace{2cm}}] = [3 \times 6] + [3 \times 7]$

[El Menia 24]

8. The L.C.M of 8 and 16 is _____

[Cairo - El Maadi 24]

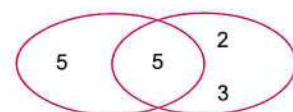
9. In the opposite Venn diagram.

[Alexandria - Middle 24]

A. The two numbers are _____ and _____

B. The G.C.F = _____

C. The L.C.M = _____

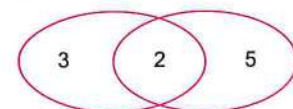


[Port Said - Port Fouad 24]

10. In the opposite Venn diagram.

A. G.C.F = _____

B. L.C.M = _____

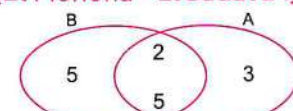


[El Monofia - El Sadat 24]

11. In the opposite Venn diagram.

A. G.C.F = _____

B. L.C.M = _____

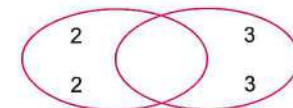


[Port Said - East 24]

12. In the opposite Venn diagram.

A. G.C.F = _____

B. L.C.M = _____



[Cairo - New 24]

13. $\frac{2}{6} + \frac{4}{6} = \underline{\hspace{2cm}}$

14. $\frac{2}{5} + \frac{3}{10} = \underline{\hspace{2cm}}$

[El Menia - Mallawi 24]

15. $\frac{4}{5} + \frac{1}{11} =$ _____

[Cairo 24]

16. $\frac{5}{6} - \frac{3}{8} =$ _____

[Kafr El Sheikh 24]

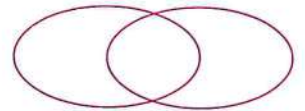
17. $3\frac{2}{5} - 1\frac{1}{10} =$ _____

[Beni Suef - Samesta 24]

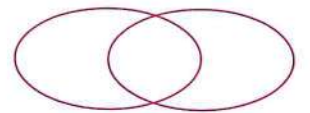
3. Answer the following questions.

1. Find [G.C.F] & [L.C.M] of the two numbers
[6 & 10], using Venn diagram.

[Giza - 6th October 24]



2. Find [G.C.F] of 7 and 12 using Venn diagram.



[Cairo - El Mokattam 24]

3. The following numbers shows the number of volunteers in 6 cities in Egypt.

The numbers are 21 , 102 , 225 , 120 , 100 and 101 complete :

A. The even numbers are _____

B. The odd numbers are _____

C. Which numbers are divisible by 2 ?

4. The Food Bank wants to distribute 118 food boxes. Is it possible to distribute the boxes among 4 villages equally ? and why ?

5. Sylvia has 21 pencils and 14 erasers. She wants to put them in groups. What is the greatest number of groups that can be made so that each group has the same number of items ?

How many pencils will be in each group ? How many erasers will be in each group ? and write the expression which represents the total number of items.

1. Choose the correct answer.

1. The integer which comes just before -3 is _____ [Ismailia 24]
 A. -4 B. -2 C. -1 D. 0
2. The integer which comes just after -1 is _____ [Port Said 24]
 A. -2 B. 1 C. 0 D. -2
3. Which of the following is an integer? [El Kalyoubia 24]
 A. $\frac{16}{5}$ B. $-\frac{2}{4}$ C. $-\frac{15}{5}$ D. -0.4
4. -83 _____ the set of natural numbers. [Assiut 24]
 A. is not a subset of B. is a subset of
 C. does not belong to D. belongs to
5. All the following numbers are rational except _____ [Cairo - El Mokattam 24]
 A. 1 B. $\frac{2}{7}$ C. $\frac{4-4}{7}$ D. $\frac{8}{5-5}$
6. The number which represents the temperature 3 below zero is _____ [Cairo - El Zaitoun 24]
 A. 0 B. -3 C. -5 D. 3
7. The integer which represents depth under sea level in meters is _____ [Cairo 24]
 A. 50 B. -50 C. $|-10|$ D. 0
8. The best subset of the number 0 is _____ number. [Cairo 24]
 A. a rational B. an integer C. a natural D. a counting
9. The number $\frac{1}{3}$ belongs to the set of _____ numbers. [Giza - Abo El Nomrous 24]
 A. integer B. natural C. rational D. counting
10. 3.5 is _____ number. [El Menia - Matay 24]
 A. a counting B. a natural C. an integer D. a rational
11. The sum of any two opposite numbers is _____ [Ismailia 24]
 A. 1 B. 2 C. 0 D. -1
12. Any negative number _____ zero. [Alexandria - El Montaza 24]
 A. $>$ B. $<$ C. $=$ D. otherwise
13. The set of counting numbers _____ the set of rational numbers. [El Monofia - Sers-El Layan 24]
 A. belongs to B. does not belong to C. is a subset of D. is not a subset of

14. The set of integers is a subset of the set of _____ numbers. [Kafr El Sheikh 24]
 A. counting B. prime C. rational D. natural
15. The number of integers on the number line is _____. [Assiut 24]
 A. 100 B. 2 C. infinite. D. 1
16. -3 _____ -1 [Ismailia 24]
 A. $<$ B. $>$ C. $\geq$ D. $=$
17. $3.8 >$ _____. [El Menia - Maghagha 24]
 A. 4.1 B. 5 C. -6.8 D. 6
18. $|-1.34| <$ _____. [El Kalyoubia 24]
 A. 1.4 B. -1.29 C. -1.4 D. 1.19
19. -1.4 _____ $|-1.4|$ [Kafr El Sheikh 24]
 A. $>$ B. $<$ C. $=$ D. otherwise
20. -4 _____ $|-3|$ [Cairo 24]
 A. $<$ B. $>$ C. $=$ D. otherwise
21. $-\frac{1}{2}$ _____ zero [Giza - Abo El Nomrous 24]
 A. $<$ B. $>$ C. $=$ D. $\geq$
22. -3 _____ the additive inverse of -3 [Cairo- Al Salam 24]
 A. $>$ B. $<$ C. $=$ D. otherwise
23. $\frac{5}{9} - \frac{1}{3}$ _____ $\frac{3}{3}$ [Giza - October Garden 24]
 A. $>$ B. $<$ C. $=$ D. $\geq$
24. The distance between the number 5 and its opposite on the number line equals _____ units. [Cairo - El Maadi 24]
 A. -5 B. 10 C. -10 D. 0
25. The distance between 0 and -2 on the number line is _____ units. [Cairo - El Mostabal 24]
 A. 0 B. 2 C. 4 D. -2
26. The number of integers between -2 and 2 is _____. [El Menia - Mallawi 24]
 A. -1 B. 2 C. 3 D. infinite.
27. The rational number between 2.4 and 2.5 is _____. [El Monofia - El Bagour 24]
 A. 2.53 B. 2.5 C. 2.43 D. 2.39
28. The rational number between -3.2 and -3.17 is _____. [Alexandria - Middle 24]
 A. 3.15 B. -3.15 C. -3.14 D. -3.18

29. _____ is lying between 2.14 and 2.2
 A. 2.15 B. 2.21 C. 2.20 D. 2.22
 [Cairo 24, El Menia - Matay 24]
30. The number of rational numbers lying between $-\frac{1}{4}$ and its opposite is _____ [Cairo 24]
 A. 0 B. 1 C. 2 D. an infinite number.
 [El Menia - Mallawi 24]
31. The number $0.3 =$ _____ [in the form of $\frac{a}{b}$]
 A. $\frac{3}{1}$ B. $\frac{10}{3}$ C. $\frac{3}{10}$ D. $-\frac{3}{10}$
 [El Monofia - Menof 24]
32. The number -1.5 in the form of $\frac{a}{b}$ is _____
 A. $-\frac{1}{5}$ B. $-\frac{5}{1}$ C. $-\frac{15}{10}$ D. $-5\frac{1}{10}$
 [El Menia - Maghagha 24]
33. The additive inverse of -15 is _____
 A. 1 B. -15 C. 15 D. 0
 [El Monofia - Shebin El Kom 24]
34. The additive inverse of $-|3|$ is _____
 A. -3 B. 3 C. $-|-3|$ D. $-\frac{1}{3}$

2. Complete the following.

1. $|-7| =$ _____ [El Beheira - Kafr El Dawar 24]
2. The smallest counting number is _____ [Qena 24]
3. The smallest non-negative integer is _____ [Giza - 6th October 24]
4. $|-4| + 4 =$ _____ [Qena 24]
5. $|4| \times |-4| =$ _____ [Cairo 24]
6. $|-3\frac{1}{4}| + |3\frac{1}{4}| =$ _____ [Cairo - El Nouzha 24]
7. The integer which comes directly before -1 is _____ [Kafr El Sheikh 24]
8. The number _____ is neither positive nor negative. [El Beheira - Kafr El Dawar 24]
9. The number of integers between -5 and 3 is _____ [Alexandria - Middle 24]
10. The additive inverse of -1 is _____ [El Menia - Samalout 24]
11. The additive inverse of 2.5 is _____ [El Menia - Deir Mawas 24]
12. The rational number 0.25 in the form of $\frac{a}{b}$ is _____ [Alexandria - Borg El Arab 24]
13. Two opposite numbers, one of them is 8 , then the other number is _____ [Giza - Abo El Nomrous 24]
14. The distance between 4 and $0 =$ _____ units. [Ismailia 24]
15. The smallest number of $[0.2, 0.12, 1.1 \text{ and } 2.1]$ is _____ [El Monofia - Tala 24]
16. The distance between 5 and $|-5|$ on the number line is _____ units. [El Menia - Matay 24]

3. Answer the following questions.

1. Represent the numbers 4, -3 and 2 on the number line.

[Cairo - El Salam 24]

2. Arrange the following numbers descendingly.

7, -9, -8, -10, 0, -6

[El Monofia - El Shohada 24]

3. Arrange in an ascending order :

1, -11, 3, -1, -8

[Port Said 24]

4. Arrange the set of numbers in an ascending order.

1.4, $-3\frac{1}{4}$, 2.1, $-1\frac{7}{8}$

[Cairo - El Zaitoun 24]

5. Order the given set of numbers from greatest to least, using the table shown.

3.4, $-2\frac{1}{2}$, 0, $-4\frac{3}{7}$, $3\frac{1}{4}$

[El Monofia - Sers El Layan 24]

Greatest				Least
_____	_____	_____	_____	_____

6. Write four rational numbers between 5.8 and 5.9

_____, _____, _____, _____

[El Menia - Mallawi 24]

October Test 1

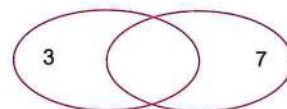
Total mark
15
(5 marks)

1. Choose the correct answer.

- a. The greatest non-positive integer is _____
 A. 1 B. -1 C. 0 D. 1.1
- b. The number _____ is divisible by 6
 A. 633 B. 236 C. 324 D. 662
- c. Which of the following are relatively prime numbers ?
 A. 2 and 10 B. 9 and 25 C. 4 and 6 D. 15 and 6
- d. The rational number -2.5 in the form of $\frac{a}{b}$ is _____
 A. $\frac{25}{10}$ B. $-5\frac{2}{10}$ C. $-\frac{25}{10}$ D. $-2\frac{1}{5}$
- e. $|-3\frac{1}{4}|$ _____ $-4\frac{1}{3}$
 A. < B. > C. =

2. Complete the following.

- a. In the opposite Venn diagram
 , the L.C.M is _____
- b. The distance between -4 and its opposite on the number line equals _____ units.
- c. $\frac{1}{3} + \frac{2}{5} =$ _____
- d. $2\frac{1}{5} - 1\frac{1}{6} =$ _____
- e. In the algebraic expression : $3x + 5y + 2$, the constant is _____



(5 marks)

3. a. Arrange the following numbers from the least to the greatest.

(2 marks)

$$-\frac{1}{2}, 2\frac{1}{2}, \frac{3}{4}, 0, -\frac{7}{12}$$

- b. Ahmed studies x hours daily , write an algebraic expression for the number of studied hours in a week.

(3 marks)

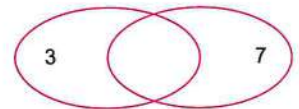
1. Choose the correct answer.

- a. $20 + 16 = 4 (\text{---} + \text{---})$
 A. 16, 12 B. 5, 4 C. 5, 16 D. 5, 12
- b. In the algebraic expression : $7 + 5x + 5y + 3$, the like terms are ---
 A. $5y$ and 3 B. $5x$ and $5y$ C. 7 and 3 D. x and y
- c. The rational number that lies between -2.4 and -2.5 is ---
 A. -2.51 B. 2.43 C. -2.37 D. -2.41
- d. The best subset of the number $\frac{10}{5}$ is --- number.
 A. a counting B. a natural C. an integer D. a rational
- e. $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} + \frac{1}{4} = \text{---}$
 A. $\frac{7}{16}$ B. $\frac{7}{8}$ C. $1\frac{3}{4}$ D. $\frac{17}{4}$

2. Complete the following.

(5 marks)

- a. The smallest natural number is ---
- b. In the algebraic expression : $4m + 2n + 1$, the number of terms is ---
- c. The L.C.M of 4 and 9 is ---
- d. In the opposite Venn diagram, the G.C.F is ---
- e. The verbal expression for $5x - 7$ is ---

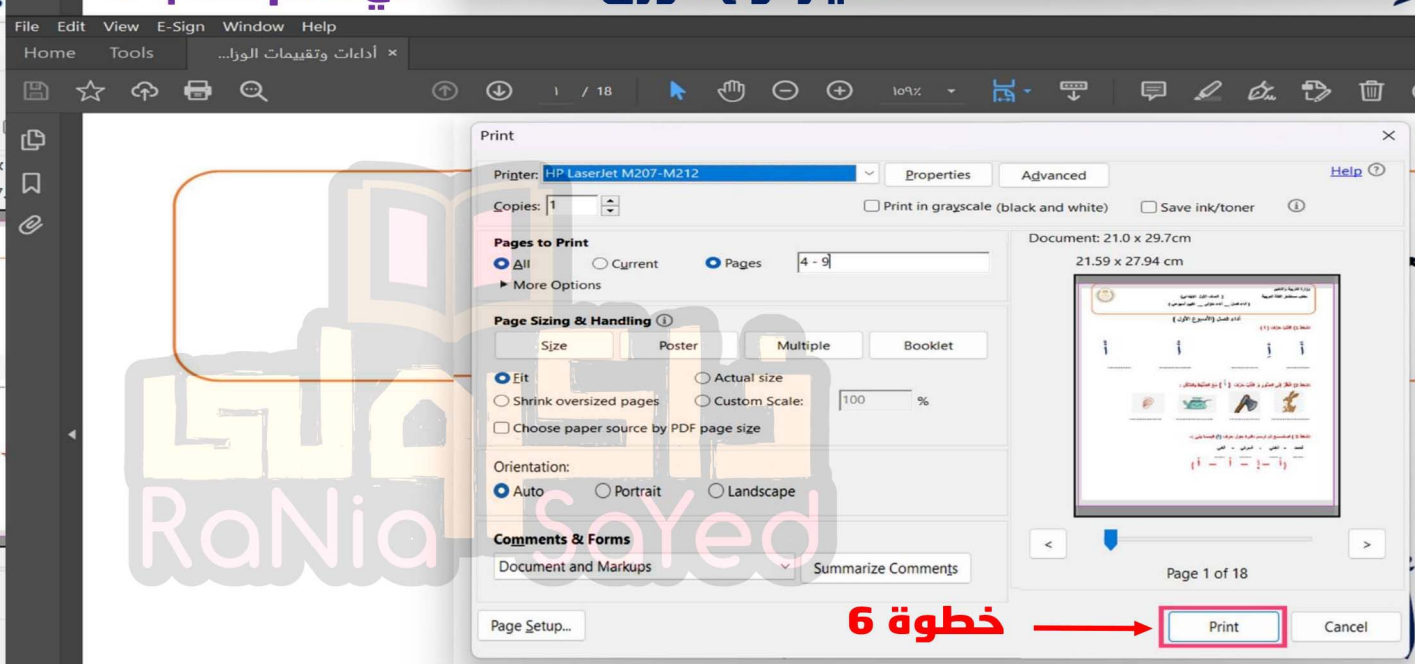
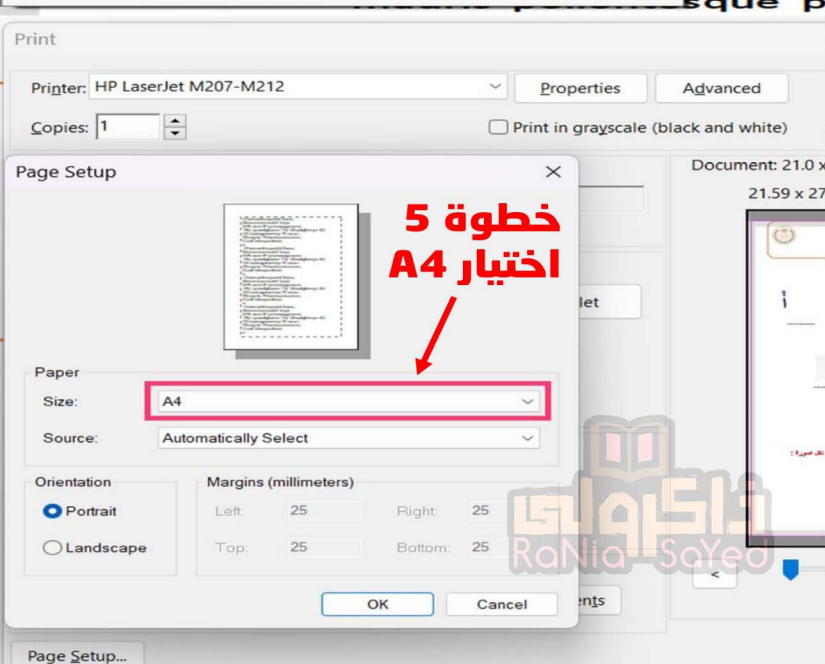
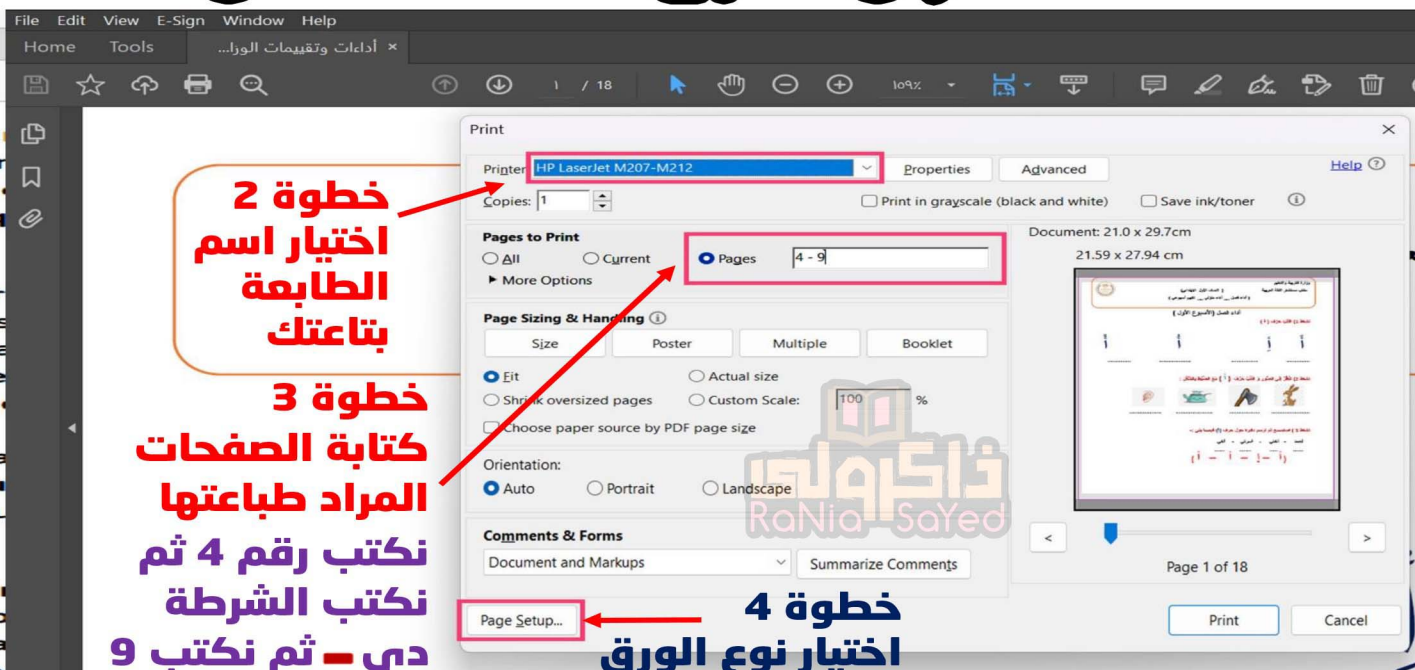
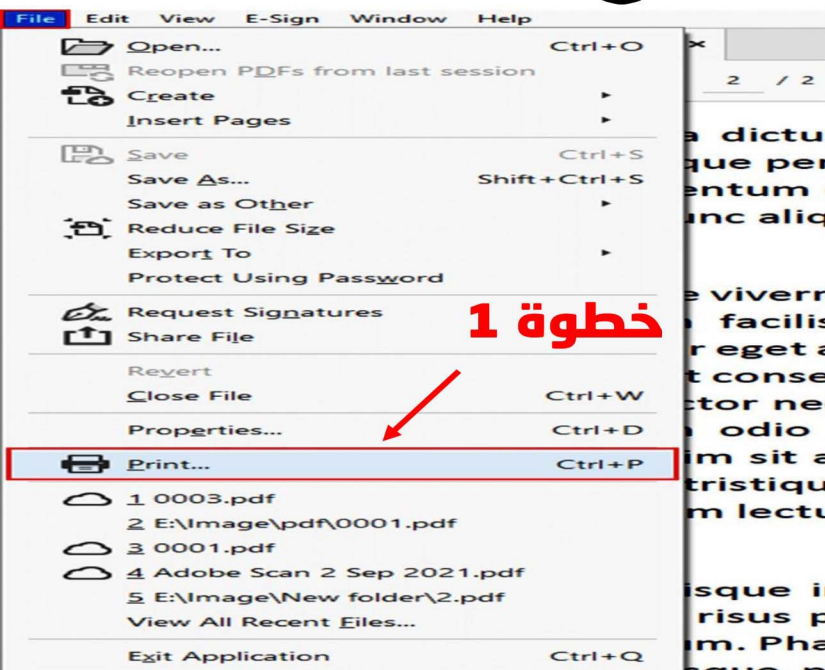


3. a. Find the G.C.F and L.C.M of the two numbers 35 and 42 by using Venn diagram. (2 marks)

b. Find three rational numbers lies between : $\frac{3}{4}$ and $\frac{4}{5}$ (3 marks)

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر اكتوبر



Model 1

First Choose the correct answer:

- 1 If $12 \times 34 = 408$, then $408 \div 12 = \dots\dots\dots$. (12 or 34 or 408 or 36)
- 2 3 and 5 together are prime factors of $\dots\dots\dots$.
(30 or 53 or 18 or 25)
- 3 $(2 \times 8) + (2 \times 3) = \dots\dots\dots$.
($2 \times 8 \times 3$ or $2 + (8 \times 3)$ or $2 \times (8 + 3)$ or $2 \times 8 \times 2 \times 3$)
- 4 $\frac{2}{3} < \dots\dots\dots$ ($\frac{3}{2}$ or $-\frac{3}{2}$ or $1 - \frac{2}{3}$ or $\frac{2}{3}$)
- 5 The number of terms of the algebraic expression " $2.5x + 2xy - 4$ is"
 $\dots\dots\dots$. (3 or 4 or 5 or 6)
- 6 The number "m" plus 18 and the result divided by 3 = $\dots\dots\dots$.
($m \div 18 + 3$) or $\frac{m}{3 + 18}$ or $3 \div (m + 18)$ or $(m + 18) \div 3$)
- 7 The largest non-positive integer is $\dots\dots\dots$. (-1 or 1 or -100 or 0)

Second Complete the following:

- 1 If $35 \times 43 = 1,505$, then $1,505 \div \dots\dots\dots = 43$.
- 2 The prime factors of 24 are $\dots\dots\dots$.
- 3 $3 \times (7 + 8) = (\dots\dots\dots \times \dots\dots\dots) + (\dots\dots\dots \times \dots\dots\dots)$
- 4 The sum of three times a and 5 = $\dots\dots\dots$. (algebraic expression)

Third Essay questions:**1** find:

a $\begin{array}{r} 15 \overline{) 360} \end{array}$

b $\begin{array}{r} 78 \overline{) 858} \end{array}$

2 A fruit merchant bought **302 kg** of bananas, and then bought another **130 kg**. He wants to distribute the sum of what he bought among **12 boxes** equally. **How many** kilograms are in each box?

.....

.....

.....

3 Compare using (**<**, **=** or **>**):

a 0.9  $| - 0.9 |$

b $- 3.8$  $- 1.8$

c $- 0.9$  0

d $-\frac{3}{8}$  $- 3.5$

Model 2

First Choose the correct answer:

1 If $574 = 41 \times 14$, then $580 \div 41 = 14$, and the remainder is
(14 or 41 or 6 or 16)

2 The greatest common factor of 4 and 15 is
(0 or 1 or 4 or 5)

3 $6 \times (7 + 5) =$
((6×7) + (6×5) or $6 \times 7 + 5$ or $6 \times 7 \times 5$ or $(6 + 7) \times (6 + 5)$)

4 The number is neither a positive nor a negative number.
(0 or 1 or -1 or 10)

5 The integer that expresses (the depth of a well of 5 meters)
is
(-5 or 5 or -10 or 10)

6 $-\frac{7}{4} >$
($\frac{7}{4}$ or $-1\frac{3}{4}$ or $\frac{8}{4}$ or $-\frac{8}{4}$)

7 The numbers 6 and are relative prime numbers.
(4 or 15 or 35 or 20)

Second Complete the following:

1 is the smallest odd prime number.

2 $35 + 42 = 7 \times (\dots + \dots)$

3 All natural numbers are also and

4 $|0.03| =$

Third Essay question:

- 1 A hospital staffed by 35 doctors and 49 nurses, find the greatest number of equal groups that can be made of doctors and nurses together. How many doctors are in each group? How many nurses are in each group?

.....

.....

.....

.....

..... =

..... =

GCF =

- 2 Find:

a $7\frac{5}{6} + 1\frac{1}{12} =$

b $8\frac{6}{7} - 2\frac{1}{5} =$

- 3 Compare using (< , = or >):

a $|1.8|$  1.8

b $| - 8.2 |$  $- 7.9$

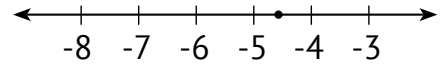
c $4\frac{3}{4}$  $|2\frac{2}{3}|$

d $|3.4|$  $| - 3.4 |$

Model 3

First Choose the correct answer:

- 1 The rational number represented on



the corresponding number line is ($4\frac{2}{3}$ or $5\frac{2}{3}$ or $-4\frac{2}{3}$ or $-5\frac{2}{3}$)

- 2 A number that if it divided by 9, the quotient will be 15 and the

remainder is 3, is (135 or 138 or 132 or 27)

- 3 All negative numbers are zero.

(greater than or less than or equal to)

- 4 The algebraic term " $\frac{1}{5}x$ " consists of factor(s). (1 or 2 or 3 or 4)

- 5 The number of terms that make up the algebraic expression

" $8 + 3 \times y$ " is (2 or 3 or 4 or 5)

- 6 The least common multiple of 8 and 5 is (8 or 5 or 13 or 40)

- 7 $1\frac{3}{4} + 2\frac{1}{2} =$ ($4\frac{1}{4}$ or $3\frac{1}{4}$ or $3\frac{4}{6}$ or 4)

Second Complete the following:

- 1 The smallest two-digit prime number is

2 $3\frac{6}{7} + \dots = 12\frac{1}{5}$

- 3 The additive inverse of -5.9 is

4 $|7.04| =$

Third Essay question:**1** Factorize each number into its prime factors using the factor tree:**a** 45

$45 = \dots\dots\dots$

b 32

$32 = \dots\dots\dots$

c 60

$60 = \dots\dots\dots$

2 Find:

a $4\frac{1}{4} + 2\frac{7}{12} = \dots\dots\dots$

b $7\frac{4}{7} - 1\frac{1}{2} = \dots\dots\dots$

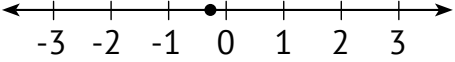
3 Arrange in an **ascending** order:

$\frac{3}{4}, -\frac{5}{8}, -\frac{1}{2}, -\frac{3}{4}, \frac{1}{4}$

The order: $\dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Model 4

First Choose the correct answer:

- 1 The rational number represented on the corresponding number line is (- 0.2 or 0.5 or 2.5 or - 2.3)
- 
- 2 is a factor of all numbers. (0 or 1 or 2 or 3)
- 3 The prime factors of 24 are (2 x 12 or 2 x 2 x 2 x 3 or 4 x 6 or 3 x 8)
- 4 All integers are also numbers. (counting or natural or even or rational)
- 5 In the algebraic term "- 3 x y" the coefficient is (y or x or 3 or -3)
- 6 Like terms for the algebraic expression "3 + 3a + 2a" are (3 , 3a or 3a, 2a or 3, 2a or 3, 3a, 2a)
- 7 The algebraic expression representing "half the difference between the number "a" and 7" is ($\frac{1}{2}a - 7$ or $\frac{1}{2}a + 7$ or $\frac{1}{2}(a - 7)$ or $\frac{1}{2}(a + 7)$)

Second Complete the following:

- 1 A number whose prime factors are 3, 3, and 7 is
- 2 $8 \times (\dots + \dots) = (\dots \times 9) + (\dots \times 2)$
- 3 $\frac{2}{7} + \dots = \frac{5}{14}$
- 4 - 5, - 4, - 3, - 2,,,, (in the same pattern)

Third Essay question:

- 1 A box of oranges contains $2\frac{3}{5}$ kg. Another box of apples contains $4\frac{1}{8}$ kg. How many kg do the two boxes contain?
-
-

- 2 Compare using ($<$, $=$ or $>$):

a $|- \frac{8}{3}|$  $- |2\frac{2}{3}|$

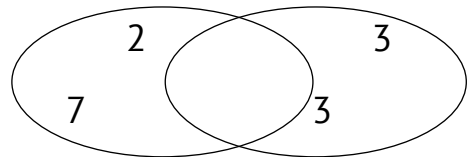
b $-3\frac{4}{5}$  $|- \frac{3}{2}|$

c $|- \frac{2}{9}|$  $- | \frac{2}{9}|$

d 2.4  $\frac{2}{4}$

- 3 Complete using the opposite figure:

- a The two numbers are and



- b Common prime factors are :

- c The **GCF** is

- d The **LCM** is

- e Are the two numbers relatively prime?

(Yes or No)

Model 5

First Choose the correct answer:

- 1 An integer between 2 and -2 is (-1 or -3 or 3 or -4)
- 2 In the algebraic term " $-5xy$ ", the coefficient is (y or x or 5 or -5)
- 3 If Basim is " x " years old now, then how old will he be after 5 years?
..... . ($x - 5$ or $x + 5$ or $5 \div x$ or $5x$)
- 4 If the price of one book is 15 pounds, how much is the price of " b "
number of books? ($15b$ or $15 - b$ or $b - 15$ or $b + 15$)
- 5 The least common multiple of any two prime numbers is
(0 or 1 or their sum or their product)
- 6 0, 6, 8, 2 are numbers. (even or odd or prime or etc.)
- 7 $-9 > \dots\dots\dots$ (-15 or 8 or -8 or 10)

Second Complete the following:

- 1 The number that if divided by 57, the quotient will be 34, and the remainder is 12, is
- 2 The smallest three-digit prime number is
- 3 $\times (4 + 6) = (9 \times \dots\dots\dots) + (9 \times \dots\dots\dots)$

Third Essay questions:

- 1 Carina has 24 apples and 36 bananas. She wants to put all the fruit into plastic containers, each with the same number of pieces of fruit. What is the greatest number of pieces of fruit can she put in each plastic container?

.....

.....

.....

.....

..... =

..... =

GCF =

- 2 Find:

a $9\frac{2}{3} + 5\frac{1}{9} =$

b $80\frac{2}{5} - 25\frac{3}{4} =$

- 3 Shaimaa bought a pen for $9\frac{1}{2}$ pounds, a ruler for $5\frac{1}{4}$ pounds, and a notebook for 4 pounds. How much did Shaimaa pay?

.....

- 4 Arrange in an ascending order:

2 , -5.5 , 7 , 3.7 , -1 , $2\frac{1}{3}$, $3\frac{4}{5}$

The order:,,,,,,

Model 6

First Choose the correct answer:

1 0 is a / an

(counting number or natural number or negative integer or odd number)

2 In the algebraic expression " $5a + 3b + 2 + 4$ " the coefficients are

(2 , 4 or 5 , 3 or a , b or 5 , 3 , 2 , 4)

3 The number comes just before is -1. (-2 or 2 or 0 or 1)

4 The absolute value of "zero" is (10 or 0 or -1 or 1)

5 A square of side length " s " cm has a perimeter of cm.

($s + 4$ or $s \times 4$ or $\frac{s}{4}$ or $4s$)

6 Twice the sum of 7 and " x " is

($2x + 7$ or $2(x + 7)$ or $27 + x$ or $2(2x + 7)$)

7 3 and 2 together are prime factors of the number

(30 or 53 or 27 or 25)

Second Complete the following:

1 If $1,140 \div 13 = 87$ and the remainder is 9 , then $13 \times 87 =$

2 The least common multiple of the two relatively prime number is

3 $63 + 81 =$ $\times (7+9)$

4 The number - 2.5 in the form $\frac{a}{b}$ is (in its simplest form)

Third Essay question:

- 1 Ahmed took $65 \frac{1}{5}$ LE from his father and $34 \frac{1}{5}$ LE from his mother. Find out how much he took from both.

- 2 Arrange in an **ascending** order:

2 , -17 , $|-3|$, -9 , $|12|$

The order:

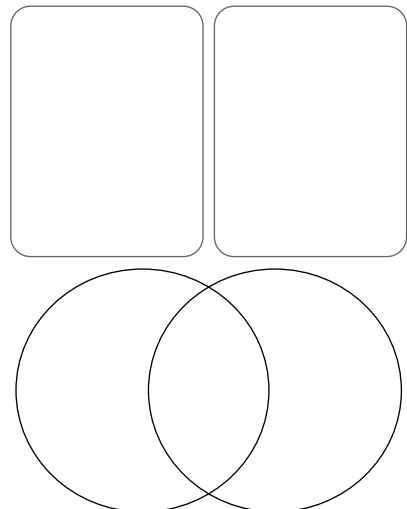
..... , , , ,

- 3 Ali needs to ship 14 rock CDs and 12 classical CDs. He wants to arrange the CDs in packs so each pack should have the same number of each kind. What is the greatest number of packs?

.....	=	
.....	=	
GCF	=	

- 4 Using the **Venn** diagram: find the **GCF** and **LCM** for 12 and 9.

- a $12 =$
- b $9 =$
- c The **GCF** =
- d The **LCM** =



Model 7

First Choose the correct answer:

- 1 If the prime factors of a number are $2 \times 3 \times 3$, then the number is
(18 or 9 or 11 or 233)
- 2 The greatest common factor of 6 and 25 is
(0 or 1 or 4 or 5)
- 3 5 is not a / an
(counting number or natural number or integer or even number)
- 4 If we subtract 5 from the number "x", the result is
($x + 5$ or $x - 5$ or $5 - x$ or $5x$)
- 5 Which of the following operations expresses the mathematical expression "double a number plus 4"?
($+$, $-$ or $\times$, $-$ or $\times$, $+$ or $\times$, $\div$)
- 6 Samah is now 25 years old. How old was she "h" years ago?
($25 - h$ or $h - 25$ or $25 + h$ or $25h$)
- 7 7, 5, 3, and 2 are numbers.
(even or odd or prime or otherwise)

Second Complete the following:

- 1 $\times (5 + 8) = (7 \times \text{.....}) + (7 \times \text{.....})$
- 2 $3 \frac{4}{7} + \text{.....} = 7 \frac{2}{3}$
- 3 Integers between -3 and 2 are
- 4 The smallest positive integer is

Third Essay question:

- 1 Hussam is training for n hours daily for 6 days of the week, and on Friday he is training for 3 hours. How many hours does Hossam spend training in one week?

- 2 I want to plant 45 sunflower plants and 81 corn plants in my garden. If I put the same number of plants in each row, what is the greatest number of rows I can make?

$$\dots\dots\dots = \dots\dots\dots$$

$$\dots\dots\dots = \dots\dots\dots$$

$$\text{GCF} = \dots\dots\dots$$

- 3 Find:

a $3\frac{3}{10} + 8\frac{1}{4} = \dots\dots\dots$

b $15\frac{2}{3} - 8\frac{5}{6} = \dots\dots\dots$

- 4 Arrange in an ascending order:

7.3 , - 2.7 , | 6.7 | , - 4.8 , | - 1.5 |

The order: $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$.

Model 8

First Choose the correct answer:

- 1 The greatest common factor of a number whose prime factors are 2 and 5 and a number whose factors are 3 and 7 is

(0 or 10 or 1 or 210)

- 2 -3 is located to the right of on the number line.

(-4 or 4 or -2 or 2)

- 3 The number just after -9 is (-10 or -8 or 10 or 8)

- 4 The additive inverse of a number $\frac{3}{5}$ $-\frac{5}{3}$ ($>$ or $=$ or $<$)

- 5 The number of terms of the expression " $5x + 3y + 2$ " is

(2 or 3 or 5 or 6)

- 6 If " b " is an integer, then the integer immediately next to it is

($b + 1$ or $b - 1$ or $2b$ or $\frac{b}{2}$)

- 7 Kareem is " x " years old now, how old was he 3 years ago?

($x - 3$ or $x + 3$ or $3 \div x$ or $3x$)

Second Complete the following:

- 1 Two numbers are relatively prime numbers if their greatest common factor is

- 2 $8 \times (9 + 2) = (\dots \times \dots) + (\dots \times \dots)$

- 3 $3\frac{1}{4} + \dots = 5\frac{3}{16}$

- 4 $10\frac{3}{10} - \dots = 4\frac{1}{2}$

Third Essay question:

- 1 The number of rooms in one of the hotels reached 372 room. These rooms are divided evenly over 12 floors. How many rooms are there in each floor?

.....

.....

- 2 Abdulrahman needs to ship 16 comedy DVDs and 24 animated DVDs. He will pack them in backs with the same number of each kind of DVDs. What is the greatest number of backs DVDs Abdulrahman can buy?

.....

.....

.....

.....

..... =

..... =

GCF =

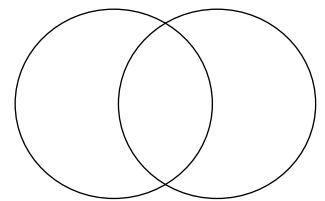
- 3 Using the Venn diagram : find the GCF and LCM For 14 and 21.

a $14 = \dots\dots\dots$

b $21 = \dots\dots\dots$

c The **GCF** = $\dots\dots\dots$

d The **LCM** = $\dots\dots\dots$



- 4 Wafaa has 300 pounds. She bought 9 pens of the same type. The price of one pen is "p" pounds. What is the amount left with Wafaa after buying the pens?

.....

Model 9

First Choose the correct answer:

- 1 A/An is a number with only two factors.
(even number ☐ or prime number ☐ or odd number ☐ or composite number)
- 2 The additive inverse of is itself. (1 ☐ or 2 ☐ or 3 ☐ or 0)
- 3 The common factor of the two prime numbers is
(their sum ☐ or their product ☐ or 1 ☐ or 0)
- 4 The opposite of $5 >$ (-4 ☐ or 4 ☐ or -6 ☐ or 6)
- 5 All positive numbers zero. (greater than ☐ or less than ☐ or equal to)
- 6 The algebraic term is "5ab" from factors. (1 ☐ or 2 ☐ or 3 ☐ or 4)
- 7 The algebraic expression representing the difference between 3 times the number "y" and 2 is
($3 - 2y$ ☐ or $2(y - 3)$ ☐ or $3y - 2$ ☐ or $2y - 3$)

Second Complete the following:

- 1 If $1,541 = 67 \times 23$, then $1,550 \div 67 = 23$, and the remainder
- 2 $4\frac{1}{4} - \dots = 2\frac{7}{12}$
- 3 Salma dives 10 meters below the sea level (.....) (an integer)
- 4 Divide "h" by 6 (mathematical expression)

Third Essay questions:

- 1 A rectangular garden with dimensions of 124 meters by 65 meters, divided into rectangular planting basins, each of which is 62 square meters. How many basins are in the garden?
-
-

- 2 Compare using ($<$, $=$ or $>$):

a $|-2.5|$  $|-3.6|$

b 5.07  $|-5.071|$

c $|-4\frac{2}{5}|$  $|-1\frac{1}{2}|$

d $-|5\frac{2}{3}|$  $|-1\frac{1}{2}|$

- 3 A road of 15 km in length, paved in three stages, $6\frac{2}{5}$ km in the first stage. $4\frac{1}{2}$ km In the second stage, how long is the distance paved in the third stage?
-
-

- 4 Arrange in an ascending order:

$$0.75, -\frac{1}{8}, -\frac{1}{2}, -\frac{1}{4}, |0.25|$$

The order:

.....,,,,

Model 10

First Choose the correct answer:

- 1 The greatest two-digit prime number is (11 or 19 or 97 or 89)
- 2 $-|-4| =$ (4 or -4 or 0.4 or $\frac{1}{4}$)
- 3 A number whose prime factors are 2, 3, 7 is
(237 or 42 or 12 or 35)
- 4 The additive inverse of -8 is (18 or 8 or 0.8 or $\frac{1}{8}$)
- 5 The largest non-positive integer is (-1 or 1 or -100 or 0)
- 6 In the algebraic expression " $3m + 2$ ", the constant is
(2 or 3 or m or 3 m)
- 7 Two numbers whose sum is 35, and one of them is " w ", then the other number is
($w + 35$ or $w - 35$ or $35 - w$ or $35 w$)

Second Complete the following:

- 1 If $377 \div 29 = 13$, then $13 \times 29 =$
- 2 The temperature is 12°C below zero (.....). (An integer)
- 3 Galal saved " n " pounds per day for 9 days, then he got 20 pounds from his father, then the algebraic expression is
- 4 Twice the sum of " g " and 6 =

Third Essay question:

- 1 The price of 35 cans is 525 LE. Find the price of 27 cans.

.....

.....

- 2 Complete using the following Venn diagram:

a The two numbers are and

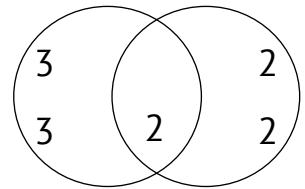
b The prime common factors are:

c The **GCF** =

d The **LCM** =

e Are the two numbers relatively prime?

(Yes or No)



- 3 Find:

a $3\frac{1}{4} + 5\frac{3}{16} =$

b $10\frac{3}{8} - 3\frac{5}{12} =$

- 4 If Wafaa uses $1\frac{3}{4}$ cup of butter to make a cake and $\frac{1}{5}$ cup will remain. How much butter does she have before cooking?

.....

.....

Model 1

First

- 1** 34 **2** 30
3 $2 \times (8 + 3)$ **4** $\frac{3}{2}$ **5** 3
6 $(m + 18) \div 3$
7 0

Second

- 1** 35 **2** $2 \times 2 \times 2 \times 3$
3 $(3 \times 7) + (3 \times 8)$ **4** $3a + 5$

Third

- 1** **a** 24 **b** 11
2 Total mass of banana = $302 + 130 = 432$ kg
 Mass of banana in each box = $432 \div 12 = 36$ kg
3 **a** = **b** < **c** <
d >

Model 2

First

- 1** 6 **2** 1
3 $(6 \times 7) + (6 \times 5)$ **4** 0
5 -5 **6** $-\frac{8}{4}$ **7** 35

Second

- 1** 3 **2** $5 + 6$
3 Integers, Rational numbers **4** 0.03

Third

- 1** Number of groups (GCF) = 7 groups
 Number of doctors in each group = $35 \div 7 = 5$ doctors
 Number of nurses are in each group = $42 \div 7 = 6$ nurses
2 **a** $7\frac{5}{6} + 1\frac{1}{12} = 7\frac{10}{12} + 1\frac{1}{12} = 8\frac{11}{12}$
b $8\frac{6}{7} - 2\frac{1}{5} = 8\frac{30}{35} - 2\frac{7}{35} = 6\frac{23}{35}$
3 **a** = **b** > **c** >
d =

Model 3

First

- 1** $-4\frac{2}{3}$ **2** 138
3 less than **4** 2 **5** 2
6 40 **7** $4\frac{1}{4}$

Second

- 1** 11 **2** $8\frac{12}{35}$
3 5.9 **4** 7.04

Third

- 1** **a** $45 = 3 \times 3 \times 5$
b $32 = 2 \times 2 \times 2 \times 2 \times 2$
c $60 = 2 \times 2 \times 3 \times 5$
2 **a** $4\frac{1}{4} + 2\frac{7}{12} = 4\frac{3}{12} + 2\frac{7}{12} = 6\frac{10}{12} = 6\frac{5}{6}$
b $7\frac{4}{7} - 1\frac{1}{2} = 7\frac{8}{14} - 1\frac{7}{14} = 6\frac{1}{14}$
3 $-\frac{3}{4}, -\frac{5}{8}, -\frac{1}{2}, \frac{1}{4}, \frac{3}{4}$

Model 4

First

- 1** -0.2 **2** 1
3 $2 \times 2 \times 2 \times 3$ **4** rational **5** -3
6 $3a, 2a$ **7** $\frac{1}{2}(a - 7)$

Second

- 1** 63 **2** $8 \times (9 + 2) = (8 \times 9) + (8 \times 2)$
3 $\frac{1}{14}$ **4** -1, 0, 1, 2

Third

- 1** The two boxes contain = $2\frac{3}{5} + 4\frac{1}{8}$
 $= 2\frac{24}{40} + 4\frac{5}{40} = 6\frac{29}{40}$ kg
2 **a** > **b** < **c** >
d >
3 **a** 14, 9 **b** none **c** 1
d 126 **e** yes

Model 5
First

- 1 -1 2 -5 3 $x + 5$
 4 15 b 5 their product 6 even
 7 -15

Second

- 1 The number = $57 \times 34 + 12 = 1,950$
 2 101 3 $9 \times (4 + 6) = (9 \times 4) + (9 \times 6)$

Third

- 1 The number of plastic container (GCF) = 12
 The number of apples in each container
 $= 24 \div 12 = 2$ apples
 The number of bananas in each container
 $= 36 \div 12 = 3$ bananas
 2 a $9 \frac{2}{3} + 5 \frac{1}{9} = 9 \frac{6}{9} + 5 \frac{1}{9} = 14 \frac{7}{9}$
 b $80 \frac{2}{5} - 25 \frac{3}{4} = 80 \frac{8}{20} - 25 \frac{15}{20} = 54 \frac{13}{20}$
 3 Shaima paid = $9 \frac{1}{2} + 5 \frac{1}{4} + 4 = 9 \frac{2}{4} + 5 \frac{1}{4} + 4$
 $= 18 \frac{3}{4}$ pounds.
 4 -5.5, -1, 2, 2 $\frac{1}{3}$, 3.7, 3 $\frac{4}{5}$, 7

Model 6
First

- 1 natural number 2 5, 3
 3 -2 4 0 5 4 s
 6 $2(x + 7)$ 7 30

Second

- 1 1,131 2 their product
 3 9 4 $-\frac{5}{2}$

Third

- 1 Ahmed took from both = $65 \frac{1}{5} + 34 \frac{1}{5}$
 $= 65 \frac{1}{5} + 34 \frac{1}{5} = 99 \frac{2}{5}$ pounds
 2 -17, -9, 2, -3, 1, 12
 3 The greatest number packs of CDs (GCF) = 2 CDs
 4 a $12 = 2 \times 2 \times 3$ b $9 = 3 \times 3$
 c GCF = 3
 d LCM = $2 \times 2 \times 3 \times 3 = 36$

Model 7
First

- 1 18 2 1
 3 even number 4 $x - 5$ 5 $x, +$
 6 $25 - h$ 7 prime

Second

- 1 $7 \times (5 + 8) = (7 \times 5) + (7 \times 8)$ 2 $4 \frac{2}{21}$
 3 -2, -1, 0, 1 4 1

Third

- 1 The number of hours = $6n + 3$
 2 The number rows (GCF) = 9 rows
 3 a $3 \frac{3}{10} + 8 \frac{1}{4} = 3 \frac{6}{20} + 8 \frac{5}{20} = 11 \frac{11}{20}$
 b $15 \frac{2}{3} - 8 \frac{5}{6} = 15 \frac{4}{6} - 8 \frac{5}{6} = 6 \frac{5}{6}$
 4 -4.8, -2.7, -1.5, 1, 6.7, 7.3

Model 8
First

- 1 1 2 -4
 3 -8 4 > 5 3
 6 $b + 1$ 7 $x - 3$

Second

- 1 1 2 $8 \times (9 + 2) = (8 \times 9) + (8 \times 2)$
 3 $1 \frac{15}{16}$ 4 $5 \frac{4}{5}$

Third

- 1 The number of rooms in each floor
 $= 372 \div 12 = 31$ rooms.
 2 The greatest number of backs DVDs (GCF) = 8 backs
 3 a $14 = 2 \times 7$
 b $21 = 7 \times 3$
 c GCF = 7
 d LCM = $2 \times 7 \times 3 = 42$
 4 $300 - 9p$

Model 9

First

- ☐ prime number ☐ 0
☐ 1 ☐ - 6
☐ greater than ☐ 3 ☐ $3y - 2$

Second

- ☐ 9 ☐ $1\frac{2}{3}$
☐ - 10 ☐ $h \div 6$

Third

- ☐ Area of the garden = $124 \times 65 = 8,060$ square meters
 The number of basins = $8,060 \div 62 = 130$ basins.
☐ ☐ a < ☐ b <
 ☐ c > ☐ d <
☐ First and second stages = $6\frac{2}{5} + 4\frac{1}{2} = 10\frac{9}{10}$ km.
 The third stage = $15 - 10\frac{9}{10} = 4\frac{1}{10}$ km.
☐ $-\frac{1}{2}$, $-\frac{1}{4}$, $-\frac{1}{8}$, $|0.25|$, 0.75

Model 10

First

- ☐ 97 ☐ - 4
☐ 42 ☐ 8 ☐ 0
☐ 2 ☐ $35 - w$

Second

- ☐ 377 ☐ - 12
☐ $9n + 20$ ☐ $2 \times (g + 6)$

Third

- ☐ The price of one can = $525 \div 35 = 15$ LE
 The price of 27 cans = $27 \times 15 = 405$ LE.
☐ ☐ a 18,8 ☐ b 2 ☐ c 2
 ☐ d 72 ☐ e no
☐ ☐ a $3\frac{1}{4} + 5\frac{3}{16} = 3\frac{4}{16} + 5\frac{3}{16} = 8\frac{7}{16}$
 ☐ b $10\frac{3}{8} - 3\frac{5}{12} = 10\frac{9}{24} - 3\frac{10}{24} = 6\frac{23}{24}$
☐ The butter she has before cooking
 $= 1\frac{3}{4} + \frac{1}{5} = 1\frac{15}{20} + \frac{4}{20} = 1\frac{19}{20}$ cup.

حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

اختبار شهر اكتوبر



Unit 1

Q1 Choose the correct answer :-

- 1) The number 1,132 is divisible by
- a) 4 b) 6 c) 5 d) 10
- 2) (511 +) is divisible by 5 .
- a) 3 b) 6 c) 1 d) 9
- 3) (715 -) is divisible by 4 .
- a) 3 b) 2 c) 1 d) 4
- 4) The number is divisible by both 4 and 5 .
- a) 200 b) 210 c) 315 d) 745
- 5) The numbers which are divisible by both 2 and 3 are also divisible by
- a) 5 b) 6 c) 10 d) 4
- 6) If the Ones digit of a number is 0 then it is divisible by
- a) 0 b) 6 c) 10 d) 3
- 7) Each whole number is divisible by.....
- a) 0 b) 1 c) 2 d) 5
- 8) Any number is divisible by 2 .
- a) prime b) odd c) even d) whole
- 9) Which of the following are relatively prime numbers
- a) 4 and 8 b) 12 and 18 c) 2 and 12 d) 9 and 4
- 10) Which of the following are relatively prime numbers
- a) 2 and 6 b) 15 and 30 c) 35 and 16 d) 12 and 18
- 11) Which of the following is not prime number
- a) 2 b) 5 c) 7 d) 9
- 12) $20 \div 25 =$
- a) $2(0+5)$ b) $5(5+5)$ c) $5(4+5)$ d) $20(0+5)$

13) (5 + 2) = 15 + 6

- a) 2 b) 3 c) 4 d) 5

14) The L.C.M of 5 and 15 is

- a) 15 b) 0 c) 30 d) 1

15) $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} = \dots\dots\dots$

- a) $\frac{11}{28}$ b) $1\frac{1}{7}$ c) $\frac{11}{14}$ d) $\frac{10}{7}$

16) The equivalent fraction $\frac{12}{15}$ is

- a) $\frac{2}{5}$ b) $\frac{3}{4}$ c) $\frac{4}{5}$ d) $\frac{1}{3}$

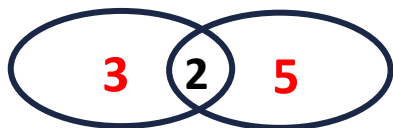
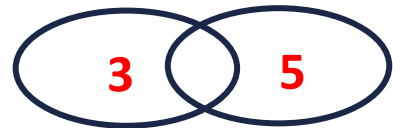
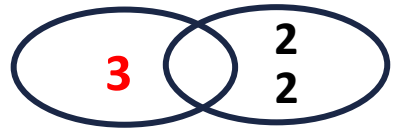
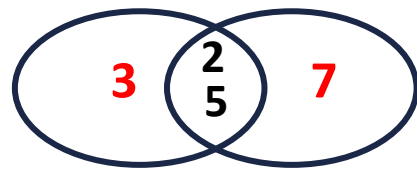
17) Murad has 120 crayons , distribute them among 6 of his friends , how many crayons are left ?

- a) 1 b) 0 c) 3 d) 6

18) 8 and Are two relatively prime numbers

- a) 4 b) 12 c) 21 d) 24

Q2 Complete the following :-

- 1) The number 75 is divisible by
- 2) Any number is divisible by 3 if the sum of its digits is divisible by
- 3) The LCM of 5 and 7 is
- 4) Factors of 18 are
- 5) A number whose prime factors are 2,3,5 is
- 6) The smallest prime number is
- 7) The prime number has factors
- 8) The common factor of all numbers is
- 9) is a multiple of any number
- 10) The GCF of 15 and 10 is
- 11) The LCM of 8 and 18 is
- 12) In the opposite venn diagram the GCF is 
- 13) In the opposite venn diagram the LCM is 
- 14) In the opposite venn diagram the GCF is 
- 15) Yara saves 105 L.E. weekly , so she saves daily L.E.
- 16) $3 (2 + 5) = \dots \times \dots + \dots \times \dots$
- 17) From the opposite venn diagram the expression is (..... +) 
- 18) The greatest common factor of 6 and 8 is
- 19) $6 (7 + 9) = 42 + \dots$
- 20) $30 + 50 = \dots (\dots + \dots)$

21) $10 + 45 = 5 (\dots\dots\dots + \dots\dots\dots)$

22) $5 (2 + \dots\dots\dots) = 10 + 35$

23) $9 (1 + 2) = 9 + \dots\dots\dots$

24) $\frac{2}{5} + \frac{3}{10} = \dots\dots\dots$

25) $\frac{3}{4} - \frac{5}{8} = \dots\dots\dots$

26) $3\frac{1}{4} + 7\frac{1}{3} = \dots\dots\dots$

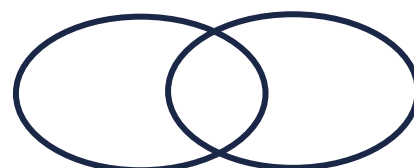
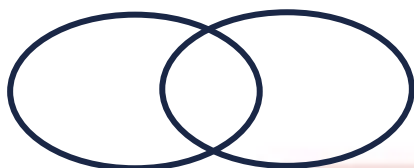
27) $10 - 3\frac{1}{4} = \dots\dots\dots$

Q3 Answer the following :-

1) Find the G.C.F using venn diagram :-

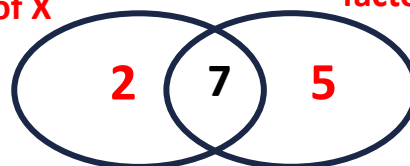
10 and 30

7 and 12



Prime
factors of X

Prime
factors of Y



2) From the opposite venn diagram :

X =

Y =

The expression =

3) The food bank wants to distribute 2,322 food boxes . **its possible to distribute the boxes among 6 village equally ?**

4) Find the numbers that divisible by 3 lies between 5 and 25 .

- 5) Find the numbers that divisible by 4 lies between 10 and 50 .
- 6) Find the G.C.F of 15 and 35 .
- 7) Find two relatively prime numbers their product is 36.
- 8) Use the distributive property G.C.F to find $25 + 20$
- 9) Use the distributive property G.C.F to find $6 (7 + 2)$
- 10) Find the L.C.M. of the denominators $\frac{1}{3}$ and $\frac{1}{21}$
- 11) If Maya has 28 pieces of apple and 35 pieces of banana , **what is the greatest number of bags he can prepare with no pieces left cover ?**
Write the expression which represents the total number of fruits .
- 12) A student collected 12 bags of sugar and 18 bags of rice to prepare donation boxes for the needy. **What are the possible ways of distributing them into boxes so that each box contains the same number of sugar bags and rice bags?"**

Unit 2

Q1 Choose the correct answer :-

1) The opposite of the number -8 is

- a) -8 **b) 8** c) 0 d) -7

2) Which of the following is an integer ?

- a) $\frac{15}{2}$ b) $\frac{15}{3}$ c) $\frac{15}{4}$ d) $\frac{15}{6}$

3) Which of the following nearest to zero ?

- a) -4 b) 4 c) -3 d) 2

4) -3 -(-3)

- a) < b) > c) =

5) An integer included between -2 and 3

- a) -3 b) 3 c) -4 d) -1

6) The integer which comes just next -1 is

- a) -2 b) 0 c) 2 d) 1

7) The smallest number from the following is

- a) -7 b) 2 c) 1 d) -17

8) The greatest number from the following is

- a) -2 b) -1 c) -10 d) -11

9) Which of the following is the nearest to zero ?

- a) 4 b) -2 c) -3 d) 3

10) The greatest negative integer is

- a) -2 b) -(-1) c) 0 d) -1

11) The greatest non-positive is

- a) 1 b) -1 c) 0 d) -(-1)

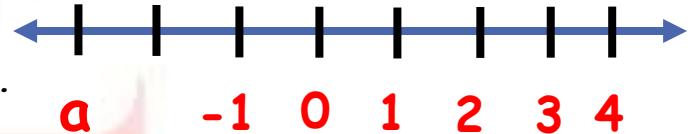
- 12) The distance between the opposite of 4 and zero on the number line equals units
- a) 4 b) -4 c) 0 d) 8
- 13) All the following numbers are rational except
- a) 0 b) $\frac{3-3}{5}$ c) $\frac{2}{5}$ d) $\frac{4}{5-5}$
- 14) -4 set of counting numbers
- a) belong to b) does not belong to c) is subset of d) is not subset of
- 15) The best subset of the number -10 is
- a) rational b) counting c) integers d) natural
- 16) The best subset of the number 1 is
- a) rational b) counting c) integers d) natural
- 17) Each number in the set of integers is called
- a) element b) set c) subset d) not subset
- 18) The best subset of the number 0 is
- a) rational b) counting c) integers d) natural
- 19) $\frac{3}{5}$ $\frac{2}{7}$
- a) < b) > c) =
- 20) $-\frac{1}{4}$ $-\frac{2}{9}$
- a) < b) > c) =
- 21) Seif deposit 1,000 L.E. in a bank represents as
- a) 1000 b) -1000 c) 100 d) -100
- 22) 0.7 0.65
- a) < b) > c) =
- 23) is lying between 3.14 and 3.2
- a) 3.15 b) 3.21 c) 3.20 d) 3.22

- 24) The number of rational numbers lying between $\frac{2}{5}$ and $-\frac{2}{5}$ is
- a) 2 b) 1 c) 0 d) infinite number
- 25) The smallest number from the following is
- a) 0.11 b) 0.3 c) 0.101 d) $\frac{1}{2}$
- 26) The greatest number from the following is
- a) $\frac{1}{4}$ b) $\frac{1}{3}$ c) $\frac{1}{12}$ d) $\frac{1}{2}$
- 27) 0 -2
- a) < b) > c) =
- 28) Any negative integer is 0
- a) < b) > c) =
- 29) The sum of any two opposite numbers is
- a) 1 b) 2 c) 0 d) -1
- 30) If $|-99| = x$, then $x =$
- a) -99 b) 99 c) 9 d) -9
- 31) $|-11| >$
- a) 10 b) 11 c) 13 d) 101
- 32) The distance between -4 and its opposite on number line is units
- a) 0 b) 4 c) 8 d) 16
- 33) The absolute values of opposites are
- a) equal b) negative c) different
- 34) A negative number with an absolute value greater than 10 is
- a) 10 b) 11 c) -9 d) -12
- 35) The absolute value of the opposite of -7 is
- a) 7 b) -7 c) 14 d) -14

- 36) The set of integers consists of negative numbers and numbers
a) natural b) counting c) rational d) positive
- 37) Which of the following is counting number
a) 0 b) -1 c) 1 d) -2
- 38) $-3\frac{1}{2}$ lies between two whole numbers
a) 0 and 1 b) -2 and -3 c) 3 and 4 d) -3 and -4
- 39) The number of integers lies between $\frac{3}{5}$ and $\frac{16}{5}$
a) 0 b) 3 c) 2 d) infinite
- 40) The number of integers lies between 3.1 and 3.2
a) 0 b) 3 c) 2 d) infinite

Q2 Complete the following :-

- 1) The smallest non negative integer is
- 2) The opposite of zero is
- 3) The smallest natural number is, the smallest counting number is
- 4) The smallest positive integer is, the greatest negative integer is
- 5) The number neither negative nor positive
- 6) The integer which just next (after) -4 is
- 7) The integer which just before -10 is
- 8) The number of integers between -4 and 3 is
- 9) The opposite number line ,
the integer which represents a is



- 10) Set of counting numbers is of set of rational numbers .
- 11) Set of natural numbers is of set of counting numbers .
- 12) Set of rational numbers is of set of integers .
- 13) Set of integers is of set of rational numbers .
- 14) 0 to set of rational numbers .
- 15) $\frac{15}{3}$ to set of counting numbers .
- 16) $|-6|$ to set of natural numbers .
- 17) The additive inverse of -1 is
- 18) The additive inverse of 2.5 is
- 19) The rational number -4.7 lies between two integers and
- 20) $4 =$ (write in fraction form $\frac{a}{b}$)
- 21) $2\frac{1}{4} =$ (write in fraction form $\frac{a}{b}$)
- 22) $-1.5 =$ (write in fraction form $\frac{a}{b}$)
- 23) The opposite of $|\frac{1}{2}|$ is
- 24) $|-2| \times 0 =$

- 25) If $|x| = 4$, the $x =$ or
- 26) $|-5| - 5 =$
- 27) $|-2| + |-13| =$
- 28) $|-30| \div |-5| =$
- 29) $|-9| >$

Q3 Answer the following :-

1) Arrange from least to greatest:-

a) -6 , 0 , -4 , 4 , -7 , 3

.....

b) -0.5 , 2.28 , -4.3 , 3.4

.....

c) $-\frac{1}{2}$, $-\frac{1}{3}$, -1 , $\frac{1}{4}$

2) Find two rational numbers lying between:-

a) $\frac{2}{3}$ and $\frac{5}{6}$

b) 3.75 and 3.76

c) $\frac{1}{8}$ and $\frac{2}{8}$

d) 2.2 and 2.1

Answers

Unit 1

Q1 Choose the correct answer :-

- 1) The number 1,132 is divisible by
a) 4 b) 6 c) 5 d) 10
- 2) (511 +) is divisible by 5 .
a) 3 b) 6 c) 1 d) 9
- 3) (715 -) is divisible by 4 .
a) 3 b) 2 c) 1 d) 4
- 4) The number is divisible by both 4 and 5 .
a) 200 b) 210 c) 315 d) 745
- 5) The numbers which are divisible by both 2 and 3 are also divisible by
a) 5 b) 6 c) 10 d) 4
- 6) If the Ones digit of a number is 0 then it is divisible by
a) 0 b) 6 c) 10 d) 3
- 7) Each whole number is divisible by.....
a) 0 b) 1 c) 2 d) 5
- 8) Any number is divisible by 2 .
a) prime b) odd c) even d) whole
- 9) Which of the following are relatively prime numbers
a) 4 and 8 b) 12 and 18 c) 2 and 12 d) 9 and 4
- 10) Which of the following are relatively prime numbers
a) 2 and 6 b) 15 and 30 c) 35 and 16 d) 12 and 18
- 11) Which of the following is not prime number
a) 2 b) 5 c) 7 d) 9
- 12) $20 + 25 =$
a) $2(0+5)$ b) $5(5+5)$ c) $5(4+5)$ d) $20(0+5)$

13) (5 + 2) = 15 + 6

a) 2

b) 3

c) 4

d) 5

14) The L.C.M of 5 and 15 is

a) 15

b) 0

c) 30

d) 1

15) $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} + \frac{2}{7} = \dots\dots\dots$

a) $\frac{11}{28}$

b) $1\frac{1}{7}$

c) $\frac{11}{14}$

d) $\frac{10}{7}$

16) The equivalent fraction $\frac{12}{15}$ is

a) $\frac{2}{5}$

b) $\frac{3}{4}$

c) $\frac{4}{5}$

d) $\frac{1}{3}$

17) Murad has 120 crayons , distribute them among 6 of his friends , how many crayons are left ?

a) 1

b) 0

c) 3

d) 6

18) 8 and Are two relatively prime numbers

a) 4

b) 12

c) 21

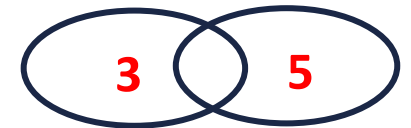
d) 24

Q2 Complete the following :-

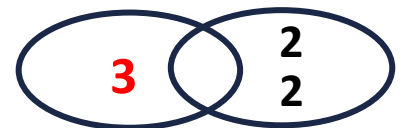
- 1) The number 75 is divisible by 5
- 2) Any number is divisible by 3 if the sum of its digits is divisible by 3
- 3) The LCM of 5 and 7 is 35
- 4) Factors of 18 are 1,2,3,6,9,18
- 5) A number whose prime factors are 2,3,5 is 30
- 6) The smallest prime number is 2
- 7) The prime number has 2 factors
- 8) The common factor of all numbers is 1
- 9) 0 is a multiple of any number
- 10) The GCF of 15 and 10 is 5
- 11) The LCM of 8 and 18 is 72
- 12) In the opposite venn diagram the GCF is 2



- 13) In the opposite venn diagram the LCM is 15



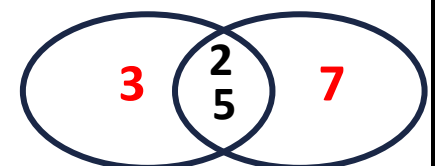
- 14) In the opposite venn diagram the GCF is 1



- 15) Yara saves 105 L.E. weekly , so she saves daily 15 L.E.

- 16) $3 (2 + 5) = 3 \times 2 + 3 \times 5$

- 17) From the opposite venn diagram the expression is $10 (3 + 7)$



- 18) The greatest common factor of 6 and 8 is 2

- 19) $6 (7 + 9) = 42 + 54$

- 20) $30 + 50 = 10 (3 + 5)$

21) $10 + 45 = 5 (2 + 9)$

22) $5 (2 + 7) = 10 + 35$

23) $9 (1 + 2) = 9 + 18$

24) $\frac{2}{5} + \frac{3}{10} = \frac{3}{10}$

25) $\frac{3}{4} - \frac{5}{8} = \frac{3}{10}$

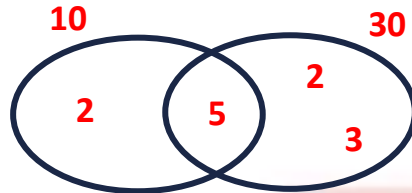
26) $3\frac{1}{4} + 7\frac{1}{3} = \frac{3}{10}$

27) $10 - 3\frac{1}{4} = 6\frac{3}{4}$

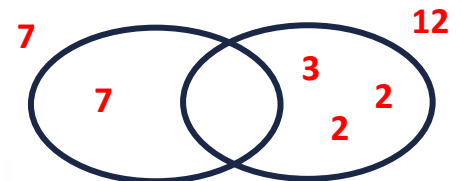
Q3 Answer the following :-

1) Find the G.C.F using venn diagram :-

10 and 30



7 and 12



2) From the opposite venn diagram :

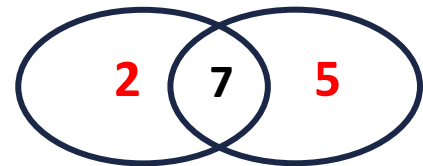
$$X = 14$$

$$Y = 35$$

$$\text{The expression} = 7 (2 + 5)$$

Prime
factors of X

Prime
factors of Y



3) The food bank wants to distribute 2,322 food boxes . **its possible to distribute the boxes among 6 village equally ?**

$$2,322 \div 6 = 387 \text{ without remainder so its possible}$$

4) Find the numbers that divisible by 3 lies between 5 and 25 .

6,9,12,15,18,21,24

5) Find the numbers that divisible by 4 lies between 10 and 50 .

12,16,20,24,28,32,36,40,44,48

6) Find the G.C.F of 15 and 35 .

$$\text{G.C.F} = 5$$

7) Find two relatively prime numbers their product is 36.

4 and 9

- 8) Use the distributive property G.C.F to find $25 + 20$

$$5 (5 + 4)$$

- 9) Use the distributive property G.C.F to find $6 (7 + 2)$

$$42 + 12$$

- 10) Find the L.C.M. of the denominators $\frac{1}{3}$ and $\frac{1}{21}$

$$\text{L.C.M.} = 21$$

- 11) If Maya has 28 pieces of apple and 35 pieces of banana , what is the greatest number of bags he can prepare with no pieces left over ?

Write the expression which represents the total number of fruits .

$$28 = 2 \times 2 \times 7$$

$$35 = 5 \times 7$$

$$\text{GCF} = 7$$

$$\text{Expression is } 7 (4 + 5)$$

- 12) A student collected 12 bags of sugar and 18 bags of rice to prepare donation boxes for the needy. What are the possible ways of distributing them into boxes so that each box contains the same number of sugar bags and rice bags?"

$$12 = 2 \times 2 \times 3$$

$$18 = 2 \times 3 \times 3$$

$$\text{GCF} = 6$$

$$\text{Expression is } 6 (2 + 3)$$

Unit 2

Q1 Choose the correct answer :-

- 1) The opposite of the number -8 is
- a) -8 **b) 8** c) 0 d) -7
- 2) Which of the following is an integer ?
- a) $\frac{15}{2}$ **b) $\frac{15}{3}$** c) $\frac{15}{4}$ d) $\frac{15}{6}$
- 3) Which of the following nearest to zero ?
- a) -4 b) 4 c) -3 **d) 2**
- 4) -3 -(-3)
- a) <** b) > c) =
- 5) An integer included between -2 and 3
- a) -3 b) 3 c) -4 **d) -1**
- 6) The integer which comes just next -1 is
- a) -2 **b) 0** c) 2 d) 1
- 7) The smallest number from the following is
- a) -7 b) 2 c) 1 **d) -17**
- 8) The greatest number from the following is
- a) -2 **b) -1** c) -10 d) -11
- 9) Which of the following is the nearest to zero ?
- a) 4 **b) -2** c) -3 d) 3
- 10) The greatest negative integer is
- a) -2 b) -(-1) c) 0 **d) -1**
- 11) The greatest non-positive is
- a) 1 b) -1 **c) 0** d) -(-1)

12) The distance between the opposite of 4 and zero on the number line equals units

- a) 4 b) -4 c) 0 d) 8

13) All the following numbers are rational except

- a) 0 b) $\frac{3-3}{5}$ c) $\frac{2}{5}$ d) $\frac{4}{5-5}$

14) -4 set of counting numbers

- a) belong to b) does not belong to c) is subset of d) is not subset of

15) The best subset of the number -10 is

- a) rational b) counting c) integers d) natural

16) The best subset of the number 1 is

- a) rational b) counting c) integers d) natural

17) Each number in the set of integers is called

- a) element b) set c) subset d) not subset

18) The best subset of the number 0 is

- a) rational b) counting c) integers d) natural

19) $\frac{3}{5}$ $\frac{2}{7}$

- a) < b) > c) =

20) $-\frac{1}{4}$ $-\frac{2}{9}$

- a) < b) > c) =

21) Seif deposit 1,000 L.E. in a bank represents as

- a) 1000 b) -1000 c) 100 d) -100

22) 0.7 0.65

- a) < b) > c) =

23) is lying between 3.14 and 3.2

a) 3.15

b) 3.21

c) 3.20

d) 3.22

24) The number of rational numbers lying between $\frac{2}{5}$ and $-\frac{2}{5}$ is

a) 2

b) 1

c) 0

d) infinite
number

25) The smallest number from the following is

a) 0.11

b) 0.3

c) 0.101

d) $\frac{1}{2}$

26) The greatest number from the following is

a) $\frac{1}{4}$

b) $\frac{1}{3}$

c) $\frac{1}{12}$

d) $\frac{1}{2}$

27) 0 -2

a) <

b) >

c) =

28) Any negative integer is 0

a) <

b) >

c) =

29) The sum of any two opposite numbers is

a) 1

b) 2

c) 0

d) -1

30) If $|-99| = x$, then $x =$

a) -99

b) 99

c) 9

d) -9

31) $|-11| >$

a) 10

b) 11

c) 13

d) 101

32) The distance between -4 and its opposite on number line is ... units

a) 0

b) 4

c) 8

d) 16

33) The absolute values of opposites are

a) equal

b) negative

c) different

34) A negative number with an absolute value greater than 10 is

a) 10

b) 11

c) -9

d) -12



35) The absolute value of the opposite of -7 is

a) 7

b) -7

c) 14

d) -14

36) The set of integers consists of negative numbers and numbers

a) natural

b) counting

c) rational

d) positive

37) Which of the following is counting number

a) 0

b) -1

c) 1

d) -2

38) $-3\frac{1}{2}$ lies between two whole numbers

a) 0 and 1

b) -2 and -3

c) 3 and 4

d) -3 and -4

39) The number of integers lies between $\frac{3}{5}$ and $\frac{16}{5}$

a) 0

b) 3

c) 2

d) infinite

40) The number of integers lies between 3.1 and 3.2

a) 0

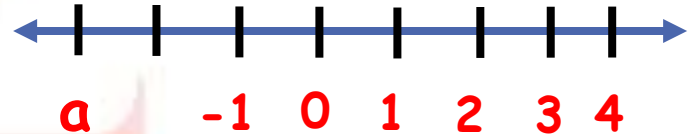
b) 3

c) 2

d) infinite

Q2 Complete the following :-

- 1) The smallest non negative integer is 0
- 2) The opposite of zero is 0
- 3) The smallest natural number is 0 the smallest counting number is 1
- 4) The smallest positive integer is 1 the greatest negative integer is -1
- 5) The number 0 neither negative nor positive
- 6) The integer which just next (after) -4 is -3
- 7) The integer which just before -10 is -11
- 8) The number of integers between -4 and 3 is 6
- 9) The opposite number line ,
the integer which represents a is -3



- 10) Set of counting numbers is a subset of set of rational numbers .
- 11) Set of natural numbers is not subset of set of counting numbers .
- 12) Set of rational numbers is not subset of set of integers .
- 13) Set of integers is a subset of set of rational numbers .
- 14) 0 belongs to set of rational numbers .
- 15) $\frac{15}{3}$ belongs to set of counting numbers .
- 16) $|-6|$ belongs to set of natural numbers .
- 17) The additive inverse of -1 is 1
- 18) The additive inverse of 2.5 is -2.5
- 19) The rational number -4.7 lies between two integers -4 and -5
- 20) $4 = \frac{4}{1}$ (write in fraction form $\frac{a}{b}$)
- 21) $2\frac{1}{4} = \frac{9}{4}$ (write in fraction form $\frac{a}{b}$)
- 22) $-1.5 = -\frac{15}{10}$ (write in fraction form $\frac{a}{b}$)
- 23) The opposite of $|\frac{1}{2}|$ is $\frac{a}{b}$
- 24) $|-2| \times 0 = 0$

- 25) If $|x| = 4$, the $x = 4$ or -4
 26) $|-5| - 5 = 0$
 27) $|-2| + |-13| = 15$
 28) $|-30| \div |-5| = 6$
 29) $|-9| > 2$

Q3 Answer the following :-

1) Arrange from least to greatest:-

a) $-6, 0, -4, 4, -7, 3$

Order / $-7, -6, -4, 0, 3, 4$

b) $-0.5, 2.28, -4.3, 3.4$

Order / $-4.3, -0.5, 2.28, 3.4$

c) $-\frac{1}{2}, -\frac{1}{3}, -1, \frac{1}{4}$

Order / $-1, -\frac{1}{2}, -\frac{1}{3}, \frac{1}{4}$

2) Find two rational numbers lying between:-

a) $\frac{2}{3}$ and $\frac{5}{6}$

$$\frac{2}{3} \text{ and } \frac{5}{6} = \frac{4}{6} \text{ and } \frac{5}{6} \quad \frac{40}{60} \text{ and } \frac{50}{60}$$

Two rationales are $\frac{41}{60}$ & $\frac{42}{60}$

b) 3.75 and 3.76

$$3.75 \text{ and } 3.76 = 3.750 \text{ and } 3.760$$

Two rationales are 3.751 and 3.762

c) $\frac{1}{8}$ and $\frac{2}{8}$

Two rational numbers are $\frac{11}{80}$ and $\frac{12}{80}$

d) 2.2 and 2.1

Two rational numbers are 2.11 and 2.12

Model 1

1) Choose the correct answer :-

a) The greatest non-positive integer is _____

- A. 1 B. -1 C. 0 D. 1.1

b) The number _____ is divisible by 6

- A. 633 B. 236 C. 324 D. 662

c) Which of the following are relatively prime numbers?

- A. 2 and 10 B. 9 and 25 C. 4 and 6 D. 15 and 6

d) The rational number - 2.5 in the form of $\frac{a}{b}$ is _____

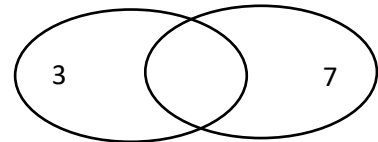
- A. $\frac{25}{10}$ B. $-5\frac{2}{10}$ C. $\frac{-25}{10}$ D. $-2\frac{1}{5}$

e) $\left| -3\frac{1}{4} \right|$ _____ $-4\frac{1}{3}$

- A. < B. > C. =

f) In the opposite Venn diagram the L.C.M is _____

- A. 1 B. 7 C. 3 D. 21



g) The distance between - 4 and its opposite on the number line equals _____ units.

- A. 4 B. -4 C. 0 D. 8

h) In the algebraic expression: $3x + 5y + 2$, the constant is _____

- A. $3x$ B. 5 C. 2 D. 3

i) $|-10| >$

- A. 10 B. 9 C. 13 D. 101

2) Answer the following :-

a) Add $\frac{1}{3} + \frac{2}{5} =$ _____

b) Subtract $2\frac{1}{5} - 1\frac{1}{6} =$ _____

c) Arrange the following numbers from the least to the greatest.

$$-\frac{1}{2}, 2\frac{1}{2}, \frac{3}{4}, 0, -\frac{7}{12}$$

d) The teacher wants to distribute 3,220 sweat boxes among his students . **its possible to distribute the boxes among 4 students ?**

e) Ahmed studies x hours daily, write an algebraic expression for the number of studied hours in a week .

f) Find two rational numbers lying between : 6.23 and 6.24

g) Write the number -1.5 in a form $\frac{a}{b}$

Model 2**1) Choose the correct answer:**

a) $20+16 = 4 (\text{ ————— } + \text{ ————— })$

A. 16,12

B. 5,4

C. 5,16

D. 5,12

b) In the algebraic expression : $7 + 5x + 5y + 3$, the like terms are —————

A. 5 y and 3

B. 5 x and 5 y

C. 7 and 3

D. x and y

c) The rational number that lies between -2.4 and -2.5 is —————

A. - 2.51

B. 2.43

C. -2.37

D. - 2.41

d) The best subset of the number $\frac{10}{5}$ is ————— number.

A. a counting

B. a natural

C. an integer

D. a rational

e) $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} + \frac{1}{4} = \text{ ————— }$

A. $\frac{7}{16}$

B. $\frac{7}{8}$

C. $1\frac{3}{4}$

D. $\frac{17}{4}$

f) The number of integers lies between 3.1 and 3.2

A. 0

B. 3

C. 2

D. infinite

g) The sum of any two opposite numbers is

A. 1

B. 2

C. 0

D. 1

h) The equivalent fraction $\frac{12}{15}$ is

A. $\frac{2}{5}$

B. $\frac{3}{4}$

C. $\frac{4}{5}$

D. $\frac{1}{3}$

i) 8 and Are two relatively prime numbers

A. 4

B. 12

C. 21

D. 24



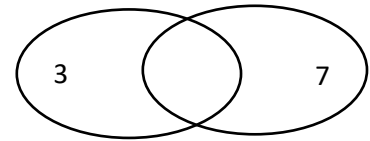
2) Answer the following :-

a) The smallest natural number is _____

b) In the algebraic expression: $4m + 2n + 1$, the number of terms is _____

c) The L.C.M of 4 and 9 is _____

d) In the opposite Venn diagram, the G.C.F is _____



e) What is the verbal expression for $5x - 7$?

f) Find the G.C.F and L.C.M of the two numbers 35 and 42 by using Venn diagram.

g) Find three rational numbers lies between: $\frac{3}{4}$ and $\frac{4}{5}$

Answers

Model 1

1) Choose the correct answer :-

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- A. 1 B. -1 C. 0 D. 1.1

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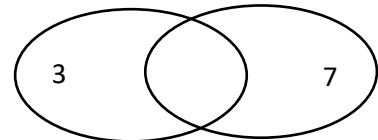
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e) $\left| -3\frac{1}{4} \right|$ _____ $-4\frac{1}{3}$

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Model 2**1) Choose the correct answer:**

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- A. 16,12 B. 5,4 C. 5,16 D. 5,12

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- A. 5 y and 3 B. 5 x and 5 y C. 7 and 3 D. x and y

c) The rational number that lies between -2.4 and -2.5 is _____

- A. - 2.51 B. 2.43 C. -2.37 D. - 2.41

d) The best subset of the number $\frac{10}{5}$ is _____ number.

- A. a counting B. a natural C. an integer D. a rational

e) $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} + \frac{1}{4} = \text{ } _____$

- A. $\frac{7}{16}$ B. $\frac{7}{8}$ C. $1\frac{3}{4}$ D. $\frac{17}{4}$

f) The number of integers lies between 3.1 and 3.2

- A. 0 B. 3 C. 2 D. infinite

g) The sum of any two opposite numbers is

- A. 1 B. 2 C. 0 D. 1

h) The equivalent fraction $\frac{12}{15}$ is

- A. $\frac{2}{5}$ B. $\frac{3}{4}$ C. $\frac{4}{5}$ D. $\frac{1}{3}$

i) 8 and Are two relatively prime numbers

- A. 4 B. 12 C. 21 D. 24

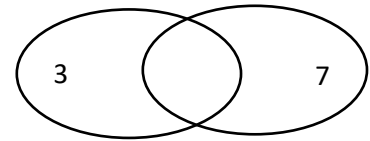
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a) The smallest natural number is _____

b) In the algebraic expression: $4m + 2n + 1$, the number of terms is _____

c) The L.C.M of 4 and 9 is _____

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حمل الآن

مجاناً وحصرياً

المراجعة رقم (4)

اختبار شهر اكتوبر



Unit 1

Choose the correct answer

- 1 "331 + _____" is divisible by 3
A. 0 B. 1 C. 2 D. 3
- 2 The number _____ is divisible by 4
A. 373 B. 1,034 C. 78,012 D. 10,014
- 3 Which of the following is divisible by 4 ?
A. 441 B. 160 C. 483 D. 514
- 4 Which of the following numbers is divisible by 6 ?
A. 343 B. 1,026 C. 435 D. 112
- 5 All the following are divisible by 6 except _____
A. 924 B. 120 C. 663 D. 252
- 6 The number _____ is divisible by both 4 and 6
A. 220 B. 750 C. 132 D. 93
- 7 The number _____ is divisible by both 2 and 5
A. 255 B. 506 C. 340 D. 525
- 8 235 is divisible by _____
A. 2 B. 3 C. 5 D. 10
- 9 The number 7,904 is divisible by _____
A. 3 B. 4 C. 5 D. 6
- 10 117 is divisible by _____
A. 2 B. 3 C. 4 D. 5
- 11 370 is NOT divisible by _____
A. 2 B. 3 C. 5 D. 10

Unit 1

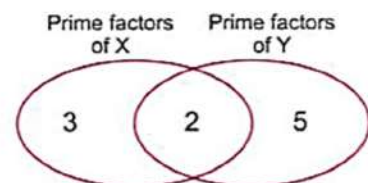
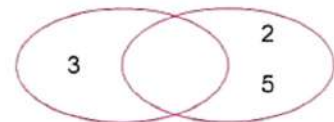
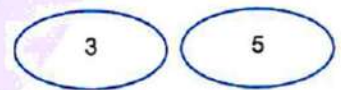
Choose the correct answer

- 12 90 is divisible by _____
A. 3 only. B. 2, 3 and 6 only. C. 2, 3 and 5 only. D. 2, 3, 5, 6 and 10
- 13 The common factor of all numbers is _____
A. 0 B. 1 C. 2 D. 3
- 14 The common multiple of all numbers is _____
A. 0 B. 1 C. 2 D. 3
- 15 The G.C.F of 4 and 12 is _____
A. 2 B. 4 C. 8 D. 12
- 16 The G.C.F of 6 and 5 is _____
A. 1 B. 11 C. 30 D. 60
- 17 The G.C.F of 4 and 9 is _____
A. 1 B. 4 C. 9 D. 36
- 18 The G.C.F of 10 and 8 is _____
A. 2 B. 18 C. 40 D. 80
- 19 The G.C.F of 6 and 9 is _____
A. 3 B. 18 C. 36 D. 1
- 20 The G.C.F of two relatively prime numbers is _____
A. 0 B. 1 C. 2 D. 3
- 21 Which of the following are relatively prime numbers ? _____
A. 2 and 10 B. 9 and 25 C. 4 and 6 D. 15 and 6

Unit 1

Choose the correct answer

- 22 Which of the following are relatively prime numbers ?
 A. 4 and 6 B. 8 and 15 C. 8 and 18 D. 8 and 24
- 23 The L.C.M of 5 and 7 is _____
 A. 0 B. 1 C. 12 D. 35
- 24 The L.C.M of 3 and 12 is _____
 A. 36 B. 1 C. 12 D. 3
- 25 The L.C.M of 6 and 10 = _____
 A. 2 B. 16 C. 30 D. 60
- 26 If the prime factorization of a number is $2 \times 2 \times 2$, then the number is _____
 A. 8 B. 4 C. 6 D. 222
- 27 The number which its all prime factors are 2, 3 and 7 is _____
 A. 12 B. 42 C. 23 D. 13
- 28 In the opposite Venn diagram : the L.C.M is _____
 A. 0 B. 1 C. 15 D. 8
- 29 In the opposite Venn diagram , the L.C.M is _____
 A. 1 B. 3
 C. 2×5 D. 30
- 30 In the opposite Venn diagram , the value of X is _____
 A. 2 B. 30
 C. 6 D. 10



Unit 1

Choose the correct answer

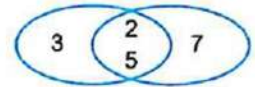
31 From the opposite Venn diagram , the expression is _____

A. $10 (6 + 35)$

B. $3 (10 + 7)$

C. $7 (10 + 3)$

D. $10 (3 + 7)$



32 $16 + 24 = 8 (2 + \text{_____})$

A. 24

B. 16

C. 2

D. 3

33 $10 + 45 = 5 [\text{_____} + \text{_____}]$

A. 10 , 40

B. 5 , 40

C. 9 , 5

D. 2 , 9

34 $5 + 12 = \text{_____} (5 + 12)$

A. 1

B. 5

C. 12

D. 60

35 $35 + 42 = \text{_____} (5 + 6)$

A. 35

B. 30

C. 6

D. 7

36 $20 + 25 = 5 (\text{_____} + 5)$

A. 4

B. 5

C. 20

D. 25

37 $14 + 21 = 7 (2 + \text{_____})$

A. 3

B. 21

C. 4

D. 147

38 $20 + 16 = 4 (\text{_____} + \text{_____})$

A. 16 , 12

B. 5 , 4

C. 5 , 16

D. 5 , 12

39 _____ + _____ = $12 (5 + 1)$

A. 17 , 13

B. 60 , 12

C. 60 , 1

D. 5 , 12

40 $48 + \text{_____} = 16 (\text{_____} + 2)$

A. 32 , 3

B. 2 , 3

C. 16 , 3

D. 2 , 16

Unit 1

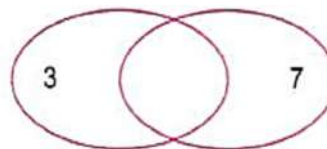
Choose the correct answer

- 41 $1\frac{3}{5} + 2\frac{1}{5} =$ _____
 A. $3\frac{4}{5}$ B. $3\frac{4}{10}$ C. $3\frac{3}{5}$ D. $3\frac{1}{5}$
- 42 $\frac{3}{4} + \frac{2}{4} + \frac{1}{4} + \frac{1}{4} =$ _____
 A. $\frac{7}{16}$ B. $\frac{7}{8}$ C. $1\frac{3}{4}$ D. $\frac{17}{4}$
- 43 $6\frac{1}{8} + \frac{3}{4} =$ _____
 A. $7\frac{3}{4}$ B. $6\frac{7}{8}$ C. $6\frac{5}{8}$ D. $7\frac{4}{8}$
- 44 $5\frac{1}{2} + 3\frac{1}{5} =$ _____
 A. $8\frac{2}{7}$ B. $8\frac{7}{10}$ C. $8\frac{1}{2}$ D. $8\frac{2}{5}$
- 45 $4\frac{1}{5} - 3\frac{2}{5} =$ _____
 A. $1\frac{1}{5}$ B. $\frac{4}{5}$ C. $\frac{1}{5}$ D. 1
- 46 $2\frac{1}{4} - 1\frac{1}{2} =$ _____
 A. $1\frac{1}{2}$ B. $\frac{3}{4}$ C. $1\frac{3}{4}$ D. $\frac{4}{3}$
- 47 $\frac{3}{4} - \frac{1}{11} =$ _____
 A. $\frac{2}{7}$ B. $\frac{37}{44}$ C. $\frac{29}{44}$ D. $\frac{2}{11}$
- 48 $10 - 3\frac{1}{4} =$ _____
 A. $7\frac{1}{4}$ B. $6\frac{1}{4}$ C. $7\frac{3}{4}$ D. $6\frac{3}{4}$

Unit 1

Complete the following

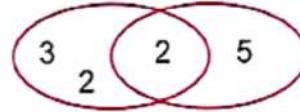
- 1 The number is divisible by 2 if its Ones digit is _____
- 2 The number is divisible by 5 if its Ones digit is _____
- 3 The number is divisible by 10 if its Ones digit is _____
- 4 The greatest 3-digit number divisible by 2 is _____
- 5 The greatest 3 – digit number divisible by 5 is _____
- 6 The smallest 3-digit number divisible by 3 , 2 and 10 is _____
- 7 The smallest number which can be added to 328 to make the result divisible by 3 is _____
- 8 The smallest number can be subtracted from 721 to make the result divisible by 4 is _____
- 9 Each whole number except zero is divisible by _____
- 10 If $4 \times 6 = 24$, then answer each of the following.
 - a. 24 is divisible by _____ and _____
 - b. 4 is a _____ of 24
- 11 The G.C.F of 4 and 8 is _____
- 12 The G.C.F of 12 and 9 is _____
- 13 The L.C.M of 8 and 16 is _____
- 14 The L.C.M of 5 and 8 is _____
- 15 In the opposite Venn diagram the G.C.F is _____
- 16 In the opposite Venn diagram the L.C.M is _____



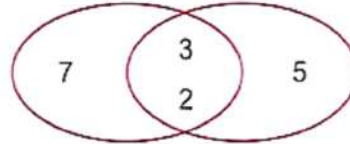
Unit 1

Complete the following

- 17 In the opposite Venn diagram the G.C.F is _____



- 18 In the opposite Venn diagram, the L.C.M is _____



19 $8(5 + 4) = 40 + \underline{\hspace{2cm}}$

20 $42 + 35 = 7 \times \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \times 5$

21 $18 + 9 = 9(\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

22 $5 \times 3 + 5 \times 7 = 5(\underline{\hspace{2cm}} + \underline{\hspace{2cm}})$

23 $3\frac{1}{9} + 1\frac{8}{9} = \underline{\hspace{2cm}}$

24 $\frac{2}{7} + \frac{1}{7} + \frac{4}{7} = \underline{\hspace{2cm}}$

25 $\frac{7}{9} - \frac{5}{9} = \underline{\hspace{2cm}}$

26 $\frac{7}{12} - \frac{1}{2} = \underline{\hspace{2cm}}$

27 $3\frac{2}{5} - 1\frac{1}{10} = \underline{\hspace{2cm}}$

28 $2\frac{1}{5} - 1\frac{1}{6} = \underline{\hspace{2cm}}$

29 $\frac{1}{3} + \frac{2}{5} = \underline{\hspace{2cm}}$

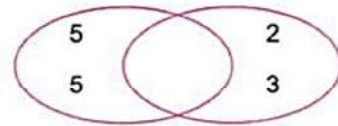
30 $\frac{7}{10} + \frac{5}{6}$

Unit 1

Answer the following

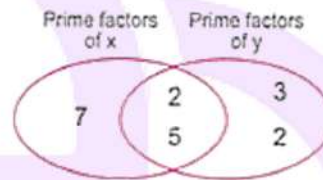
1 Using the following Venn diagram complete.

- The two numbers represented in the Venn diagram are _____ and _____
- The G.C.F of the two numbers is _____
- The L.C.M of the two numbers is _____
- Are the two numbers relatively prime numbers ?



2 From the opposite Venn diagram :

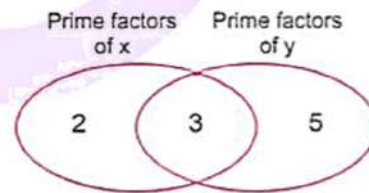
- The value of x is _____
- The value of y is _____
- The G.C.F is _____
- The L.C.M is _____



Are the two numbers relatively prime numbers ?

3 From the opposite Venn diagram , complete :

- G.C.F = _____
- L.C.M = _____
- Value of $x + y$ = _____



4 Find the G.C.F of the following numbers using Venn diagram
7 and 12

5 Find the G.C.F and L.C.M of 10 and 30 using Venn diagram.

Unit 1

Answer the following

- 6 Find the G.C.F and L.C.M of the two numbers 35 and 42 by using Venn diagram.
- 7 If Hana has 32 fruit slices and 48 pack of biscuits, what is the greatest number of bags he can prepare with no snacks left over?
and how many fruit slices and how many pack of biscuits will she put in each bag?
Write the expression which represents the total number of snacks.
- 8 The Food Bank wants to distribute 354 food boxes. Is it possible to distribute the boxes among 6 villages equally? and why?
- 9 In the pond, $\frac{1}{3}$ of the lilies are white and $\frac{1}{4}$ of the lilies are pink. The remaining lilies are blue. What is the fraction of the blue lilies?

The Answers

Choose the correct answer:

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. C | 2. C | 3. B | 4. B | 5. C |
| 6. C | 7. C | 8. C | 9. B | 10. B |
| 11. B | 12. D | 13. B | 14. A | 15. B |
| 16. A | 17. A | 18. A | 19. A | 20. B |
| 21. B | 22. B | 23. D | 24. D | 25. C |
| 26. A | 27. B | 28. C | 29. D | 30. C |
| 31. D | 32. D | 33. D | 34. A | 35. D |
| 36. A | 37. A | 38. B | 39. B | 40. A |
| 41. A | 42. C | 43. B | 44. B | 45. B |
| 46. B | 47. C | 48. D | | |

Complete the following:

- | | | | |
|---------------------|---------------------|---------------------|---------------------|
| 1) even | 2) 0 or 5 | 3) 0 | 4) 998 |
| 5) 995 | 6) 120 | 7) 2 | 8) 1 |
| 9) itself | 10) a. 4 and 6 | b. factor | 11) 4 |
| 12) 3 | 13) 16 | 14) 40 | 15) 1 |
| 16) 21 | 17) 2 | 18) 210 | 19) 32 |
| 20) 6 , 7 | 21) 2 , 1 | 22) 3 , 7 | 23) 5 |
| 24) 1 | 25) $\frac{2}{9}$ | 26) $\frac{1}{12}$ | 27) $2\frac{3}{10}$ |
| 28) $1\frac{1}{30}$ | 29) $\frac{11}{15}$ | 30) $1\frac{8}{15}$ | |

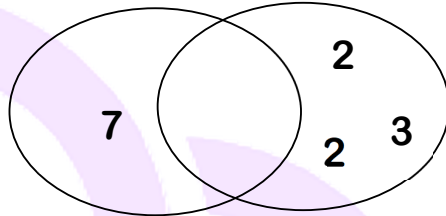
The Answers

Answer the following:

- 1) a. 25 , 6 b. 1 c. 150 d. yes
- 2) a. 70 b. 60 c. 10 d. 420 no
- 3) a. 3 b. 30 d. 21
- 4) $7 = 7$

$$12 = 2 \times 2 \times 3$$

$$\text{G.C.F} = 1$$

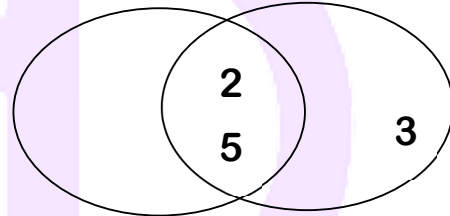


5) $10 = 2 \times 5$

$$30 = 2 \times 5 \times 3$$

$$\text{G.C.F} = 2 \times 5 = 10$$

$$\text{L.C.M} = 2 \times 5 \times 3 = 30$$

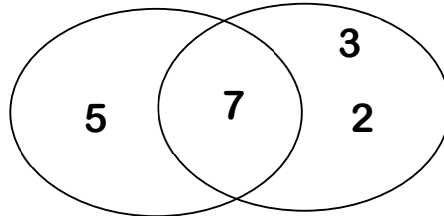


6) $35 = 5 \times 7$

$$42 = 7 \times 2 \times 3$$

$$\text{G.C.F} = 7$$

$$\text{L.C.M} = 5 \times 7 \times 2 \times 3 = 210$$



The Answers

$$7) 32 = 2 \times 2 \times 2 \times 2 \times 2$$

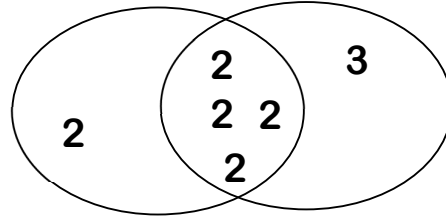
$$48 = 2 \times 2 \times 2 \times 2 \times 3$$

The greatest number of bags = 16

Number of fruit slices = 2

Number of pak of biscuits = 3

The expression is $16 (2 + 3) = 16 \times 2 + 16 \times 3 = 32 + 48$



8) 354 is divisible by 2 and divisible by 3

Then it is divisible by 6 ,

so its possible to distribute the boxes among 6 villages equally

$$9) 1 - \frac{1}{3} - \frac{1}{4} = \frac{12}{12} - \frac{4}{12} - \frac{3}{12} = \frac{5}{12}$$

شرح خطوات الحل على قناة اليوتيوب

اضغط هنا



Math For Kids: Hoda Ismail

Unit 2

Choose the correct answer

- 1 Each number in the set of integers is called _____.
A. element B. set C. subset D. not subset
- 2 The best subset of 0 is _____ numbers.
A. counting B. natural C. integer D. rational
- 3 The best subset of -4 is _____ numbers.
A. counting B. natural C. integer D. rational
- 4 The number 2.71 belongs to _____ numbers.
A. counting B. natural C. integer D. rational
- 5 The best subset of 2 is _____ numbers.
A. counting B. natural C. integer D. rational
- 6 The number -9 _____ the set of rational number.
A. belongs to B. does not belong to
C. is subset from D. is not subset from
- 7 The set of integers _____ the set of rational numbers.
A. belongs to B. does not belong to
C. is a subset of D. is not a subset of
- 8 The set of counting numbers _____ the set of rational numbers.
A. belongs to B. does not belong to
C. is a subset of D. is not a subset of
- 9 All the following are integers except _____.
A. -4 B. $\frac{10}{5}$ C. $\frac{13}{5}$ D. $\frac{0}{5}$

Unit 2

Choose the correct answer

- 10 Which of the following is an integer ?
 A. $\frac{15}{2}$ B. $\frac{15}{3}$ C. $\frac{15}{4}$ D. $\frac{15}{6}$
- 11 All the following numbers are rational except _____
 A. 1 B. $\frac{2}{7}$ C. $\frac{4-4}{7}$ D. $\frac{8}{5-5}$
- 12 Which of the following is an integer ?
 A. $\frac{16}{5}$ B. $-\frac{2}{4}$ C. $-\frac{15}{5}$ D. -0.4
- 13 Which of the following is nearest to zero ? _____
 A. -4 B. 4 C. -3 D. 2
- 14 The smallest positive integer number is _____
 A. 3 B. 2 C. 1 D. 0
- 15 The greatest non-positive integer is _____
 A. 1 B. -1 C. 0 D. 1.1
- 16 The greatest negative integer is _____
 A. -1 B. -2 C. -3 D. -4
- 17 The smallest non-negative integer is _____
 A. -1 B. -2 C. 0 D. 1
- 18 The smallest natural number is _____
 A. -1 B. 0 C. 1 D. 2
- 19 The opposite of 5 is _____
 A. 5 B. 0 C. -5 D. 10

Unit 2

Choose the correct answer

- 20 The additive inverse of -2 is _____
 A. -2 B. 2 C. 0 D. 4
- 21 The opposite of zero is _____
 A. -1 B. 1 C. 0 D. has no opposite.
- 22 The absolute value of the opposite of $-1\frac{1}{2}$ is _____
 A. $2\frac{1}{2}$ B. 0 C. $1\frac{1}{2}$ D. $-1\frac{1}{2}$
- 23 The absolute value of the opposite of $\frac{1}{2}$ is _____
 A. $\frac{1}{2}$ B. 0 C. 1 D. $-\frac{1}{2}$
- 24 If $|-99| = x$, then $x =$ _____
 A. -99 B. 99 C. -9 D. 9
- 25 The integer which comes just before -3 is _____
 A. -2 B. -4 C. -1 D. 0
- 26 The number $-2\frac{1}{4}$ in the form $\frac{a}{b}$ is _____
 A. $-\frac{4}{9}$ B. $-\frac{9}{4}$ C. $-\frac{7}{4}$ D. $-\frac{21}{4}$
- 27 The number -1.5 in the form $\frac{a}{b}$ is _____
 A. $-\frac{1}{5}$ B. $-\frac{5}{1}$ C. $-\frac{15}{10}$ D. $-5\frac{1}{10}$
- 28 Wael deposit of 1,000 L.E. in a bank represents as _____
 A. $1,000$ B. $-1,000$ C. 100 D. -100

Unit 2

Choose the correct answer

- 29 The number of integers between -5 and 2 is _____
 A. 6 B. 5 C. -3 D. 7
- 30 The number of rational numbers lying between $\frac{-1}{4}$ and its opposite is _____
 A. 0 B. 1 C. 2 D. an infinite number.
- 31 The rational number between 0.3 and 0.4 is _____
 A. 0.2 B. 0.42 C. 0.32 D. 0.432
- 32 The rational number between -2.5 and -2.4 is _____
 A. -2.53 B. -2.43 C. -2.3 D. -2.32
- 33 _____ is lying between 2.14 and 2.2
 A. 2.15 B. 2.21 C. 2.20 D. 2.22
- 34 _____ is lying between -1.4 and -0.9
 A. -0.7 B. -1.3 C. -1.6 D. -0.90
- 35 The rational number between $1\frac{1}{2}$ and $1\frac{1}{3}$ is _____
 A. $\frac{5}{12}$ B. $2\frac{5}{12}$ C. $1\frac{5}{12}$ D. $1\frac{3}{6}$
- 36 The distance between the opposite of 3 and 0 on the number line is _____ unit[s]
 A. 3 B. -3 C. 0 D. 6
- 37 The distance between 0 and -2 on the number line is _____ unit[s].
 A. 0 B. 2 C. 4 D. -2

Unit 2

Choose the correct answer

- 38 The distance between -4 and its opposite on the number line is _____ unit[s]
 A. zero B. 4 C. 8 D. 16
- 39 Which of the following is the greatest number ?
 A. -1 B. -2 C. -3 D. -4
- 40 The smallest number from the following is _____
 A. 0.11 B. 0.2 C. 0.3 D. 0.101
- 41 The greatest number from the following is _____
 A. $\frac{1}{5}$ B. $\frac{1}{6}$ C. $\frac{1}{4}$ D. $\frac{1}{3}$
- 42 Which of the following is the greatest number ? _____
 A. -2.7 B. -7.2 C. -1.2 D. -2.1
- 43 $3.8 >$ _____
 A. 4.1 B. 5 C. -6.8 D. 8.9
- 44 $|-11| >$ _____
 A. 10 B. 11 C. 13 D. 101
- 45 $|-9| <$ _____
 A. -8 B. 0 C. 9 D. 10
- 46 $|-8| >$ _____
 A. $|-7|$ B. $|-8|$ C. $|-9|$ D. $|-10|$
- 47 $|-1.34| <$ _____
 A. 1.4 B. -1.29 C. -1.4 D. 1.19

Unit 2

Complete the following

- 1 The smallest counting number is _____
- 2 The smallest natural number is _____
- 3 The greatest negative integer is _____
- 4 The smallest positive integer is _____
- 5 The greatest non-positive integer is _____
- 6 The smallest non-negative rational number is _____
- 7 The integers between -4 and 2 are _____
- 8 The number of integers between -2 and 4 is _____
- 9 The best subset of 3 is _____ numbers.
- 10 The best subset for the number 0 is _____ number.
- 11 The opposite of $-2\frac{1}{3}$ is _____
- 12 The opposite of $|-4|$ is _____
- 13 The opposite of zero is _____
- 14 $-3\frac{1}{4}$ in the form $\frac{a}{b}$ is _____
- 15 The smallest number of $(0.1, \frac{1}{100}, 0.7, 2.1)$ is _____

Unit 2

Complete the following

16 $|-3| = \underline{\hspace{2cm}}$

17 $|-4| + |-7| = \underline{\hspace{2cm}}$

18 $|-4| + |12| = \underline{\hspace{2cm}}$

19 $|-2| \times |0| = \underline{\hspace{2cm}}$

20 $|-4| + \left|3\frac{1}{3}\right| = \underline{\hspace{2cm}}$

21 $\left|-3\frac{1}{4}\right| + \left|1\frac{3}{4}\right| = \underline{\hspace{2cm}}$

22 If $|x| = 4$, then $x = \underline{\hspace{2cm}}$ or $\underline{\hspace{2cm}}$

23 The absolute values of the two opposites are $\underline{\hspace{2cm}}$ 24 The distance between -3 and 0 on the number line equals $\underline{\hspace{2cm}}$ unit[s]25 The distance between -4 and its opposite on the number line equals $\underline{\hspace{2cm}}$ units.26 The distance between 5 and $|-5|$ on the number line is $\underline{\hspace{2cm}}$ unit[s]27 In the opposite number line, the integer A is $\underline{\hspace{2cm}}$ 

Unit 2

Answer the following

1 Write the correct sign "< , = or >".

$$-12 \quad \square \quad -4$$

$$4\frac{1}{2} \quad \square \quad 5$$

$$-\frac{1}{2} \quad \square \quad 0$$

$$-\frac{7}{5} \quad \square \quad -1\frac{2}{5}$$

$$0.4 \quad \square \quad -0.5$$

$$2.5 \quad \square \quad 2.47$$

$$0 \quad \square \quad -2$$

$$\frac{2}{8} \quad \square \quad 0.5$$

$$|-2.71| \quad \square \quad 2.7$$

$$|-3\frac{1}{2}| \quad \square \quad 3.12$$

$$|-3\frac{1}{2}| \quad \square \quad \frac{7}{2}$$

$$-\frac{1}{4} \quad \square \quad -\frac{3}{7}$$

$$|-3\frac{1}{4}| \quad \square \quad -4\frac{1}{3}$$

$$\frac{3}{4} - \frac{1}{2} \quad \square \quad \frac{2}{2}$$

2 Write "belongs" or "does not belong":

a. 0 _____ to set of rational numbers.

b. $|-7|$ _____ to set of natural numbers.

c. $2\frac{1}{2}$ _____ to set of integers.

d. $\frac{15}{3}$ _____ to set of counting numbers.

3 Write "a subset" or "not a subset".

a. Set of counting numbers is _____ of set of rational numbers.

b. Set of natural numbers is _____ of set of counting numbers.

c. Set of rational numbers is _____ of set of integers.

d. Set of integers is _____ of set of rational numbers.

Unit 2

Answer the following

- 4 Arrange the following numbers from the least to the greatest.

a. $-6, 0, -4, 4, -7, 3$

b. $-\frac{1}{2}, 2\frac{1}{2}, \frac{3}{4}, 0, -\frac{7}{12}$

- 5 Arrange in a descending order :

a. $|-3|, -\frac{7}{2}, \frac{5}{2}, 3\frac{1}{4}, 0, -11$

b. $-\frac{7}{10}, \frac{3}{5}, 0.4, -\frac{4}{5}, \text{zero}$

- 6 Find three rational numbers lies between : $\frac{3}{4}$ and $\frac{4}{5}$

- 7 Find two rational numbers lying between :

a. 2.4 and 2.5

b. $-\frac{3}{5}$ and $-\frac{1}{2}$

- 8 Represent the following numbers on the number line.

$$-\frac{1}{2}, \frac{1}{2}, -4\frac{1}{3}, 2\frac{1}{4}$$



The Answers

Choose the correct answer:

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. C | 4. D | 5. A |
| 6. A | 7. C | 8. C | 9. C | 10. B |
| 11. D | 12. C | 13. 2 | 14. C | 15. C |
| 16. A | 17. C | 18. B | 19. C | 20. B |
| 21. C | 22. C | 23. A | 24. B | 25. B |
| 26. B | 27. C | 28. A | 29. A | 30. D |
| 31. C | 32. B | 33. A | 34. B | 35. C |
| 36. 3 | 37. B | 38. C | 39. A | 40. D |
| 41. D | 42. C | 43. C | 44. A | 45. D |
| 46. A | 47. A | | | |

Complete the following:

- | | | | |
|---------------------|---------------------|---------------------|--------------------|
| 1) 1 | 2) 0 | 3) -1 | 4) 1 |
| 5) 0 | 6) 0 | 7) -3, -2, -1, 0, 1 | 8) 5 |
| 9) Counting numbers | 10) Natural numbers | | |
| 11) $2\frac{1}{3}$ | 12) -4 | 13) zero | |
| 14) $-\frac{13}{4}$ | 15) $\frac{1}{100}$ | 16) 3 | |
| 17) 11 | 18) 16 | 19) 0 | 20) $7\frac{1}{3}$ |
| 21) 5 | 22) 4 OR -4 | 23) equal | |

The Answers

Complete the following:

24) 3

25) 8

26) 0

27) - 4

Answer the following:

1)

$-12 < -4$

$4\frac{1}{2} < 5$

$-\frac{1}{2} < 0$

$-\frac{7}{5} = -1\frac{2}{5}$

$0.4 > -0.5$

$2.5 > 2.47$

$0 > -2$

$\frac{2}{8} < 0.5$

$|-2.71| > 2.7$

$|-3\frac{1}{2}| > 3.12$

$|-3\frac{1}{2}| = \frac{7}{2}$

$-\frac{1}{4} > -\frac{3}{7}$

$|-3\frac{1}{4}| > -4\frac{1}{3}$

$\frac{3}{4} - \frac{1}{2} < \frac{2}{2}$

2) a. belongs b. belongs c. does not belong d. belongs

3) a. subset b. not a subset c. not a subset

d. subset

4) a. $-7, -6, -4, 0, 3, 4$

b. $-\frac{7}{12}, -\frac{1}{2}, 0, \frac{3}{4}, 2\frac{1}{2}$

6

يلا نلّم المنهج

The Answers

5) a. $3\frac{1}{4}$, $|-3|$, $\frac{5}{2}$, 0, $-\frac{7}{2}$, -11

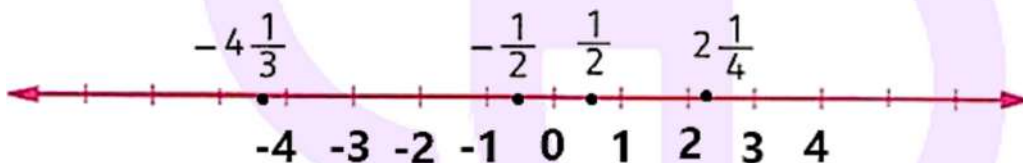
b. $\frac{3}{5}$, 0.4, zero, $-\frac{7}{10}$, $-\frac{4}{5}$

6) $\frac{61}{80}$, $\frac{62}{80}$, $\frac{63}{80}$

7) a. 2.41, 2.42

b. $-\frac{16}{30}$, $-\frac{17}{30}$

8)



شرح خطوات الحل على قناة اليوتيوب



Math For Kids: Hoda Ismail

حمل الآن

مجاناً وحصرياً

المراجعة رقم (5)

اختبار شهر اكتوبر



Q1: Choose the correct answer

1 is divisible by 3.

- (a) 2,543 (b) 2,222 (c) 1,212 (d) 5,323

2 The common factor of all numbers is

- (a) 0 (b) 1 (c) 2 (d) 3

3 The greatest common factor of 6 and 8 is

- (a) 4 (b) 1 (c) 2 (d) 3

4 The common multiple of all factors is

- (a) 0 (b) 1 (c) 2 (d) 3

5 The GCF of any two prime numbers is

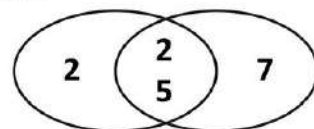
- (a) 0 (b) 1 (c) 2 (d) 3

6 If the ones digit of a number is zero, then it is divisible by

- (a) 5 only (b) 10 only (c) 10 and 5 (d) otherwise

7 From the opposite venn diagram, the expression is

- (a) $10 (6 + 35)$ (b) $10 (2 + 7)$
(c) $7 (10 + 2)$ (d) $2 (7 + 10)$

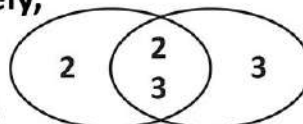


8 Any number is divisible by 3 if the sum of its digits is a multiple of

- (a) 2 (b) 3 (c) 5 (d) 6

9 The following expression represents the greatest number of bags can be made from mangos and bananas respectively, then the number of all bags is

- (a) 4 (b) 9
(c) 6 (d) 36



10 $8(3 + 5) = \dots\dots\dots$

☐ a $24 + 13$

☐ b $3(8 + 5)$

☐ c $24 + 40$

☐ d $11 + 13$

11 The LCM of two relatively prime numbers is

☐ a 0

☐ b their product

☐ c their sum

☐ d 1

12 Which of the following are relatively prime numbers ?

☐ a 4 and 8

☐ b 8 and 6

☐ c 12 and 18

☐ d 16 and 15

13 $\dots\dots\dots \times (5 + 1) = (7 \times 5) + (7 \times 1)$

☐ a 6

☐ b 35

☐ c 1

☐ d 7

14 If the ones digit of a number is zero, then it is divisible by

☐ a 10 only

☐ b 5 only

☐ c 5 and 10

☐ d 2, 5 and 10

15 What is the smallest number could be added to 56 to be divisible by 2, 5 and 10.

☐ a 5

☐ b 2

☐ c 3

☐ d 4

16 $9\frac{3}{5} - 5\frac{1}{3} = \dots\dots\dots$

☐ a $14\frac{4}{15}$

☐ b $4\frac{15}{4}$

☐ c $4\frac{4}{15}$

☐ d $15\frac{4}{5}$

17 9 and are relatively prime numbers

☐ a 18

☐ b 12

☐ c 21

☐ d 8

18 Any number is divisible by another if the remainder of the division operation is

☐ a 1

☐ b 2

☐ c 0

☐ d 3

19 The following expression represents the greatest number of baskets water and juice bottles respectively: $(10 \times 3) + (10 \times 5)$, then the number of all bottles in each basket is

☐ a 10

☐ b 15

☐ c 8

☐ d 80



Q2: Answer The Following

1 Find the numbers divisible by 4 that are between 10 and 50

2 The two numbers represented in the Venn diagram are: and

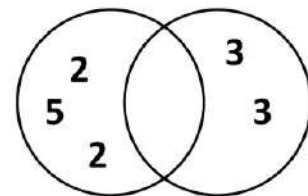
The common prime factors of the two numbers are

The GCF for the two numbers is

The LCM for the two numbers is

Are the two numbers relatively prime numbers?

(Yes or No)



3 Ahmed bought 28 apples and 35 oranges and wants to put them on plates. What is the largest number of plates that can be used to hold the same number of oranges and the same number of apples?

4 Murad bought a pen for $9\frac{1}{2}$ pounds, a ruler for $5\frac{1}{4}$ pounds, and a notebook for 4 pounds.
How much did Murad pay?

5 All prime numbers are odd except is an even number.

6 $40 + 20 = \dots \times (\dots + \dots)$

7 A number whose prime factors are 2, 3 and 5 is



- 8 A toy factory is packing toys into boxes, with each box containing 8 toys. If they have 28 toys left to package, Can they evenly fill the last box?

- 9 Find GCF and LCM of 12 and 18 by venn diagram

- 10 List 4 numbers which divisible by all of 10, 5, 4, 3 and 2:

- 11 Use the distributive property to find: $42 + 28$

- 12 36 is not divisible by 5 because $\dots \div 5 = \dots$ and the remainder = $\dots$.

- 13 Find the result of: $5\frac{3}{7} - 3\frac{2}{3} = \dots$

- 14 A box of muffin mix makes 30 muffins. Sarah can bake 6 muffins on a tray at a time. Will she be able to bake all the muffins without any leftovers?

- 15 The least common multiple of 21 and 5 is

- 16 Find the GCF of the denominators of the fractions $\frac{1}{3}$ and $\frac{3}{16}$

- 17 Use GCF to find: $12 + 36$



Q1: Choose the correct answer

- 1 The additive inverse of -12 is
- (a) $-|12|$ (b) $|-12|$ (c) -12 (d) -13
- 2 The number is neither a positive nor a negative number.
- (a) 0 (b) 1 (c) -1 (d) 2
- 3 The integer which comes just next -4 is
- (a) -5 (b) 5 (c) -3 (d) 3
- 4 All positive numbers are zero.
- (a) less than (b) greater than (c) equal to (d) otherwise
- 5 The number of integers included between -2 and 4 is
- (a) 3 (b) 4 (c) 5 (d) 6
- 6 -5 is located to the right of the number on the number line.
- (a) -6 (b) 6 (c) -4 (d) 4
- 7 An integer included between -4 and 2 is
- (a) -5 (b) -1 (c) 2 (d) 3
- 8 The additive inverse of $|-8| > \dots$
- (a) 5 (b) -10 (c) 7 (d) -4
- 9 The number of integers on the number line is
- (a) 0 (b) 1
(c) 1,000 (d) infinite number



10 The largest non-positive integer is

- (a) -1 (b) 1 (c) 0 (d) 1,000

11 -7 the set of natural numbers.

- (a) belongs (b) doesn't belong (c) isn't a subset (d) a subset

12 All integers are numbers.

- (a) counting (b) natural (c) prime (d) rational

13 The smallest positive integer is

- (a) -1 (b) 1 (c) 0 (d) 1,000

14 The set of counting numbers the set of natural numbers.

- (a) belongs (b) doesn't belong (c) isn't a subset (d) a subset

15 Ahmed deposit of 500 L.E in the bank represents as

- (a) -500 (b) 500 (c) -5,000 (d) 5,000

16 The number -2.5 is a/an number.

- (a) counting (b) natural (c) integer (d) rational

17 The number of rational numbers between 3 and 6 is

- (a) 2 (b) 1 (c) 0 (d) infinite number

18 The number of integer numbers between 3 and 6 is

- (a) 2 (b) 1
(c) 0 (d) infinite number



- 19 The additive inverse of $|-10|$ ☐ -3
 (a) $>$ (b) $=$ (c) $<$ (d) $\geq$
- 20 The negative number which has absolute value greater than 23 is
 (a) 24 (b) -25 (c) -13 (d) -23
- 21 The best subset of the number 0 is a/an
 (a) counting (b) natural (c) integer (d) rational
- 22 The absolute values of any two opposite numbers are
 (a) different (b) equal (c) negative (d) otherwise
- 23 If $|m| = 8$, then $m =$
 (a) -8 only (b) 8 only (c) -8 or 8 (d) otherwise
- 24 The smallest number from the following is
 (a) -30 (b) -25 (c) -13 (d) -23
- 25 The set of rational numbers the set of natural numbers.
 (a) belongs (b) doesn't belong (c) isn't a subset (d) a subset
- 26 The best subset of the number -5.6 is a/an
 (a) counting (b) natural (c) integer (d) rational
- 27 is lying between -3.14 and -3.2
 (a) -3.18 (b) 3.18
 (c) 3.3 (d) -3.3



Q2: Answer The Following

1 What is the largest negative integer? What is the smallest positive integer?

2 Arrange the following in ascending order:

$$7\frac{1}{2} , -1.8 , -\frac{5}{7} , 8 , -10$$

The order: _____ , _____ , _____ , _____ , _____

3 Write two rational numbers lying between each of the following pairs of numbers:

(A) -5.5 and -5.43

(B) $\frac{2}{4}$ and $\frac{5}{6}$

4 The smallest non-negative integer is _____

5 Find the result of each of the following:

(A) $|-5| + 7 = \dots\dots\dots$

(B) $|-5| - |5| = \dots\dots\dots$

(C) $|9| \times |-3| = \dots\dots\dots$

(D) $|7| + |-3| = \dots\dots\dots$

6 Arrange the following in descending order:

$$|-0.8| , -2.8 , -0.8 , 0 , |-17|$$

7 The order: _____ , _____ , _____ , _____ , _____

8 The set of counting numbers _____ the set of integers.

9 The number _____ is neither a positive nor a negative number.

10 The number -31.7 in form of $\frac{a}{b}$ is _____ .

11 The natural numbers which less than 4 are _____ .

12 The number just come after -6 is _____



Q1: Choose the correct answer

- 1 If Moaz is "m" years old now, how old will he be before 7 years?
(a) $7 - m$ (b) $m + 7$ (c) $m - 7$ (d) $7m$
- 2 The constant in the expression $3y - 5$ is
(a) 5 (b) -5 (c) 3 (d) -3
- 3 The number of terms of the expression: $5 - 2m - 3m + 4$ is
(a) 2 (b) 3 (c) 4 (d) 5
- 4 Which of the following is an algebraic expression?
(a) $3 + 5 \times 7$ (b) $27 - 12 \div 4$ (c) $5y + 2$ (d) $2(3 + 14)$
- 5 If Murad is "k" years old now, how old was he before 5 years?
(a) $5 - k$ (b) $k + 5$ (c) $k - 5$ (d) $5k$
- 6 Ali saved "x" L.E and his father gave he 20 L.E, then he would have
(a) $20 - x$ (b) $20 + x$ (c) $x - 20$ (d) $20x$
- 7 If we subtract 9 from the number "x", the result is
(a) $9 - x$ (b) $9 + x$ (c) $x - 9$ (d) $9x$
- 8 A square of side length "m" cm, has perimeter of cm.
(a) $m \div 4$ (b) $4m$ (c) $m - 4$ (d) $m + 4$
- 9 The coefficients in the algebraic expression $7 + 2k + 8m + 1$ are
(a) 7, 2 (b) 2, 8 (c) 7, 1 (d) 7, 2, 8, 1
- 10 The algebraic expression that represents three times the sum of the number "m" and 7 is
(a) $3m + 7$ (b) $3(m + 7)$
(c) $7m + 3$ (d) $7(m + 3)$



11 Which of the following does not represent an algebraic expression?

☐ a $3x + y$

☐ b $x = 4$

☐ c $5x + 3$

☐ d $4m - 5$

12 The coefficient of the algebraic term in the expression $7x - 4$ is

☐ a 0

☐ b 7

☐ c - 4

☐ d 4

13 The algebraic term whose coefficient is 5 is

☐ a $n - 5$

☐ b $n + 5$

☐ c $5n$

☐ d $\frac{n}{5}$

14 One-fifth of the number n is written as

☐ a $n - 5$

☐ b $n + 5$

☐ c $5n$

☐ d $\frac{n}{5}$

Q2: Answer The Following

1 "4 increased by m " in algebraic expression is

2 Twice the sum of a number and three is

3 The verbal expression for " $2m - 7$ " is

4 The algebraic expression for "a number less 7", is

5 Express the following mathematical expression using a verbal sentence: $18 - 2x$

6 Find the value of n in the following: $5 \times (n + 6) = 45$

7 Write the algebraic expression:

Multiplying a number by 6, then subtract the result from 8

8 Write the algebraic expression that expresses:

7 multiplied by the result of subtraction of h from 6.

9 Write the mathematical expression that represents the number of books that Walid read: Walid read 5 documentary books and d practical books.



Q1: Choose the correct answer

1 is divisible by 3.

a 2,543

b 2,222

c 1,212

d 5,323

2 The common factor of all numbers is

a 0

b 1

c 2

d 3

3 The greatest common factor of 6 and 8 is

a 4

b 1

c 2

d 3

4 The common multiple of all factors is

a 0

b 1

c 2

d 3

5 The GCF of any two prime numbers is

a 0

b 1

c 2

d 3

6 If the ones digit of a number is zero, then it is divisible by

a 5 only

b 10 only

c 10 and 5

d otherwise

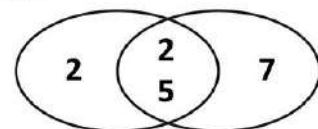
7 From the opposite venn diagram, the expression is

a $10 (6 + 35)$

b $10 (2 + 7)$

c $7 (10 + 2)$

d $2 (7 + 10)$



8 Any number is divisible by 3 if the sum of its digits is a multiple of

a 2

b 3

c 5

d 6

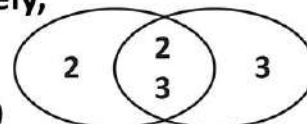
9 The following expression represents the greatest number of bags can be made from mangos and bananas respectively, then the number of all bags is

a 4

b 9

c 6

d 36



10 $8(3 + 5) = \dots\dots\dots$

☐ a $24 + 13$

☐ b $3(8 + 5)$

☒ c $24 + 40$

☐ d $11 + 13$

11 The LCM of two relatively prime numbers is

☐ a 0

☒ b their product

☐ c their sum

☐ d 1

12 Which of the following are relatively prime numbers ?

☐ a 4 and 8

☐ b 8 and 6

☐ c 12 and 18

☒ d 16 and 15

13 $\dots\dots\dots \times (5 + 1) = (7 \times 5) + (7 \times 1)$

☐ a 6

☐ b 35

☐ c 1

☒ d 7

14 If the ones digit of a number is zero, then it is divisible by

☐ a 10 only

☐ b 5 only

☐ c 5 and 10

☒ d 2, 5 and 10

15 What is the smallest number could be added to 56 to be divisible by 2, 5 and 10.

☐ a 5

☐ b 2

☐ c 3

☒ d 4

16 $9\frac{3}{5} - 5\frac{1}{3} = \dots\dots\dots$

☐ a $14\frac{4}{15}$

☐ b $4\frac{15}{4}$

☒ c $4\frac{4}{15}$

☐ d $15\frac{4}{5}$

17 9 and are relatively prime numbers

☐ a 18

☐ b 12

☐ c 21

☒ d 8

18 Any number is divisible by another if the remainder of the division operation is

☐ a 1

☐ b 2

☒ c 0

☐ d 3

19 The following expression represents the greatest number of baskets water and juice bottles respectively: $(10 \times 3) + (10 \times 5)$, then the number of all bottles in each basket is

☐ a 10

☐ b 15

☒ c 8

☐ d 80



Q2: Answer The Following

- 1 Find the numbers divisible by 4 that are between 10 and 50

12, 16, 20, 24, 28, 32, 36, 40, 44, 48

- 2 The two numbers represented in the Venn diagram are:²⁰..... and⁹.....

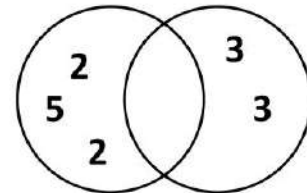
The common prime factors of the two numbers are^{none}.....

The GCF for the two numbers is¹.....

The LCM for the two numbers is¹⁸⁰.....

Are the two numbers relatively prime numbers?

(Yes or No)



- 3 Ahmed bought 28 apples and 35 oranges and wants to put them on plates. What is the largest number of plates that can be used to hold the same number of oranges and the same number of apples?

Largest number of plates (GCF) is 7

- 4 Murad bought a pen for $9\frac{1}{2}$ pounds, a ruler for $5\frac{1}{4}$ pounds, and a notebook for 4 pounds. How much did Murad pay?

$14\frac{3}{4}$

- 5 All prime numbers are odd except²..... is an even number.

- 6 $40 + 20 = \dots\dots\dots \times (\dots\dots\dots + \dots\dots\dots)$

- 7 A number whose prime factors are 2, 3 and 5 is³⁰.....



- 8 A toy factory is packing toys into boxes, with each box containing 8 toys. If they have 28 toys left to package, Can they evenly fill the last box?

No, Because 28 is not divisible by 8

- 9 Find GCF and LCM of 12 and 18 by venn diagram

$$\text{GCF} = 6$$

$$\text{LCM} = 36$$

- 10 List 4 numbers which divisible by all of 10, 5, 4, 3 and 2:

60 , 300 , 600 , 1,200

- 11 Use the distributive property to find: $42 + 28$

$$14 (3 + 2)$$

- 12 36 is not divisible by 5 because $36 \div 5 = 7$ and the remainder = 1 .

- 13 Find the result of: $5 \frac{3}{7} - 3 \frac{2}{3} = 1 \frac{16}{21}$

- 14 A box of muffin mix makes 30 muffins. Sarah can bake 6 muffins on a tray at a time. Will she be able to bake all the muffins without any leftovers?

Yes, Because 30 is divisible by 6

- 15 The least common multiple of 21 and 5 is 105

- 16 Find the GCF of the denominators of the fractions $\frac{1}{3}$ and $\frac{3}{16}$

1

- 17 Use GCF to find: $12 + 36$

$$12 (1 + 3)$$



Q1: Choose the correct answer

1 The additive inverse of -12 is

(a) $-|12|$

(b) $|-12|$

(c) -12

(d) -13

2 The number is neither a positive nor a negative number.

(a) 0

(b) 1

(c) -1

(d) 2

3 The integer which comes just next -4 is

(a) -5

(b) 5

(c) -3

(d) 3

4 All positive numbers are zero.

(a) less than

(b) greater than

(c) equal to

(d) otherwise

5 The number of integers included between -2 and 4 is

(a) 3

(b) 4

(c) 5

(d) 6

6 -5 is located to the right of the number on the number line.

(a) -6

(b) 6

(c) -4

(d) 4

7 An integer included between -4 and 2 is

(a) -5

(b) -1

(c) 2

(d) 3

8 The additive inverse of $|-8| >$

(a) 5

(b) -10

(c) 7

(d) -4

9 The number of integers on the number line is

(a) 0

(b) 1

(c) 1,000

(d) infinite number



10 The largest non-positive integer is

(a) -1

(b) 1

(c) 0

(d) 1,000

11 -7 the set of natural numbers.

(a) belongs

(b) doesn't belong

(c) isn't a subset

(d) a subset

12 All integers are numbers.

(a) counting

(b) natural

(c) prime

(d) rational

13 The smallest positive integer is

(a) -1

(b) 1

(c) 0

(d) 1,000

14 The set of counting numbers the set of natural numbers.

(a) belongs

(b) doesn't belong

(c) isn't a subset

(d) a subset

15 Ahmed deposit of 500 L.E in the bank represents as

(a) -500

(b) 500

(c) -5,000

(d) 5,000

16 The number -2.5 is a/an number.

(a) counting

(b) natural

(c) integer

(d) rational

17 The number of rational numbers between 3 and 6 is

(a) 2

(b) 1

(c) 0

(d) infinite number

18 The number of integer numbers between 3 and 6 is

(a) 2

(b) 1

(c) 0

(d) infinite number



- 19 The additive inverse of $|-10|$ ☐ -3
☐ $>$ ☐ $=$ ☒ $<$ ☐ $\geq$
- 20 The negative number which has absolute value greater than 23 is
☐ 24 ☒ -25 ☐ -13 ☐ -23
- 21 The best subset of the number 0 is a/an
☐ counting ☒ natural ☐ integer ☐ rational
- 22 The absolute values of any two opposite numbers are
☐ different ☒ equal ☐ negative ☐ otherwise
- 23 If $|m| = 8$, then $m =$
☐ -8 only ☐ 8 only ☒ -8 or 8 ☐ otherwise
- 24 The smallest number from the following is
☒ -30 ☐ -25 ☐ -13 ☐ -23
- 25 The set of rational numbers the set of natural numbers.
☐ belongs ☐ doesn't belong ☒ isn't a subset ☐ a subset
- 26 The best subset of the number -5.6 is a/an
☐ counting ☐ natural ☐ integer ☒ rational
- 27 is lying between -3.14 and -3.2
☒ -3.18 ☐ 3.18
☐ 3.3 ☐ -3.3



Q2: Answer The Following

1 What is the largest negative integer? What is the smallest positive integer?

-1, 1

2 Arrange the following in ascending order:

$$7\frac{1}{2}, -1.8, -\frac{5}{7}, 8, -10$$

42351

The order: , , , ,

3 Write two rational numbers lying between each of the following pairs of numbers:

(A) -5.5 and -5.43 (Answers may vary) (B) $\frac{2}{4}$ and $\frac{5}{6}$ $\frac{13}{24}$ $\frac{17}{24}$

-5.44 and -5.47

4 The smallest non-negative integer is⁰.....

5 Find the result of each of the following:

(A) $|-5| + 7 = \dots\dots\dots^{12}$ (B) $|-5| - |5| = \dots\dots\dots^0$

(C) $|9| \times |-3| = \dots\dots\dots^{27}$ (D) $|7| + |-3| = \dots\dots\dots^{10}$

6 Arrange the following in descending order:

$$|-0.8|, -2.8, -0.8, 0, |-17|$$

24321

7 The order: , , , ,

8 The set of counting numbers is a subset the set of integers.

9 The number⁰..... is neither a positive nor a negative number.

10 The number -31.7 in form of $\frac{a}{b}$ is⁻³¹⁷
.....¹⁰.....

11 The natural numbers which less than 4 are^{3, 2, 1, 0}.....

12 The number just come after -6 is⁻⁵.....



Q1: Choose the correct answer

- 1 If Moaz is "m" years old now, how old will he be before 7 years?
 (a) $7 - m$ (b) $m + 7$ (c) $m - 7$ (d) $7m$
- 2 The constant in the expression $3y - 5$ is
 (a) 5 (b) -5 (c) 3 (d) -3
- 3 The number of terms of the expression: $5 - 2m - 3m + 4$ is
 (a) 2 (b) 3 (c) 4 (d) 5
- 4 Which of the following is an algebraic expression?
 (a) $3 + 5 \times 7$ (b) $27 - 12 \div 4$ (c) $5y + 2$ (d) $2(3 + 14)$
- 5 If Murad is "k" years old now, how old was he before 5 years?
 (a) $5 - k$ (b) $k + 5$ (c) $k - 5$ (d) $5k$
- 6 Ali saved "x" L.E and his father gave he 20 L.E, then he would have
 (a) $20 - x$ (b) $20 + x$ (c) $x - 20$ (d) $20x$
- 7 If we subtract 9 from the number "x", the result is
 (a) $9 - x$ (b) $9 + x$ (c) $x - 9$ (d) $9x$
- 8 A square of side length "m" cm, has perimeter of cm.
 (a) $m \div 4$ (b) $4m$ (c) $m - 4$ (d) $m + 4$
- 9 The coefficients in the algebraic expression $7 + 2k + 8m + 1$ are
 (a) 7, 2 (b) 2, 8 (c) 7, 1 (d) 7, 2, 8, 1
- 10 The algebraic expression that represents three times the sum of the number "m" and 7 is
 (a) $3m + 7$ (b) $3(m + 7)$
 (c) $7m + 3$ (d) $7(m + 3)$



11 Which of the following does not represent an algebraic expression?

☐ a $3x + y$

☒ b $x = 4$

☐ c $5x + 3$

☐ d $4m - 5$

12 The coefficient of the algebraic term in the expression $7x - 4$ is

☐ a 0

☒ b 7

☐ c - 4

☐ d 4

13 The algebraic term whose coefficient is 5 is

☐ a $n - 5$

☐ b $n + 5$

☒ c $5n$

☐ d $\frac{n}{5}$

14 One-fifth of the number n is written as

☐ a $n - 5$

☐ b $n + 5$

☐ c $5n$

☒ d $\frac{n}{5}$

Q2: Answer The Following

1 "4 increased by m " in algebraic expression is $4 + m$

2 Twice the sum of a number and three is $2 \times (m + 3)$

3 The verbal expression for " $2m - 7$ " is Double number m less 7

4 The algebraic expression for "a number less 7", is $m - 7$

5 Express the following mathematical expression using a verbal sentence: $18 - 2x$
twice number x subtracted from 18

6 Find the value of n in the following: $5 \times (n + 6) = 45$ 3

7 Write the algebraic expression: $8 - 6m$
Multiplying a number by 6, then subtract the result from 8

8 Write the algebraic expression that expresses: $(6 - h) \times 7$
7 multiplied by the result of subtraction of h from 6.

9 Write the mathematical expression that represents the number of books that Walid read: Walid read 5 documentary books and d practical books.
 $5 + d$



حمل الآن

مجاناً وحصرياً

المراجعة رقم (6)

اختبار شهر اكتوبر



1. Choose the correct answer:

1. The number Is divisible by 5

a. 735

b. 573

c. 357

d. 63,537

2. The number is divisible by both 3 and 6

a. 33

b. 21

c. 12

d. 9

3. The number 507 is divisible by (Without remainder)

a. 2

b. 5

c. 3

d. 10

4. $(196 + \dots)$ is divisible by 10

a. 1

b. 2

c. 3

d. 4

5. G.C.F for the two numbers 6 and 9 is

a. 1

b. 2

c. 3

d. 18

6. G.C.F for the numbers 4 and 8 is

a. 4

b. 8

c. 12

d. 32

7. The number its factors are 2, 3, 5 is

a. 20

b. 30

c. 15

d. 10

8. The numbers 5, 8 are called numbers

a. Odd

b. Even

c. Relatively prime

d. Not prime

9. The G.C.F of 5 and 8 is

a. 1

b. 40

c. 5

d. 8

10. The L.C.M of 6 and 7 is

a. 1

b. 42

c. 6

d. 7

11. $(\dots + 3) \times 3 = 15 + 9$

a. 5

b. 24

c. 15

d. 2

Grade 6 (October Rev.)

12. $14 + 21 = 7 (2 + \dots)$

a. 1

b. 2

c. 3

d. 7

13. $\frac{6}{8} - \frac{1}{2} = \dots$

a. $\frac{1}{8}$ b. $\frac{5}{8}$ c. $\frac{5}{6}$ d. $\frac{1}{4}$

14. $-9 \dots -5$

a. >

b. <

c. =

d. Otherwise

15. $-5 \dots 0$

a. >

b. <

c. =

d. Otherwise

16. The number represent the balance point of opposite number on the number line is

a. -1

b. 1

c. 0

d. 10

17. is neither positive nor negative integer

a. Zero

b. 1

c. -1

d. 100

18. The smallest non- negative integers is

a. 0

b. 1

c. -1

d. 2

19. The largest negative integer is

a. -10

b. 0

c. 1

d. -1

20. The smallest positive integer is

a. 0

b. 1

c. -1

d. 2

21. The additive invers of - 3 is

a. 3

b. -3

c. 0

d. 6

22. The additive inverse of 0 is

a. 0

b. 1

c. 2

d. 3

23. The opposite of 5 is

a. 5

b. -5

c. 0

d. 10

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24. Two opposite numbers. one of them is -9 , the other number is

- a. -9 b. 9 c. 18 d. 0

25. The height of a city of 15 meters above sea level is represented by the number

- a. 15 b. -15 c. 0 d. 13

26. $-9 < \dots\dots\dots$

- a. -10 b. -15 c. -11 d. -1

27. The smallest number from the following: 0 , -28 , 15 , -12 is

- a. 0 b. -28 c. 15 d. -12

28. The integer which comes just after -3 is

- a. -4 b. -2 c. 2 d. 3

29. The number of integers between -3 and 3 is

- a. 2 b. 3 c. 4 d. 5

30. Which of the following is an integer?

- a. $\frac{16}{5}$ b. $-\frac{2}{4}$ c. $-\frac{15}{5}$ d. -0.4

31. All the following numbers are rational except

- a. 1 b. $\frac{2}{7}$ c. $\frac{4-4}{7}$ d. $\frac{8}{5-5}$

32. $-\frac{2}{7}$ to the set of integers

- a. Belong b. Not belong c. Subset d. Not subset

33. -12 the set of counting numbers

- a. Belong to b. Not belong to c. Subset of d. Not subset of

34. 0.25 the set of rational numbers

- a. Belong to b. Not belong to c. Subset of d. Not subset of

35. The set of integers the set of rational numbers

- a. Belongs to b. Does not belong
c. Is subset of d. Is not subset of

Grade 6 (October Rev.)**36.** The number Belongs to the set of natural numbers

a. 2.25

b. - 5

c. 0

d. $-1\frac{1}{2}$ **37.** The number $1\frac{1}{2}$ belongs to the set of numbers

a. integers

b. counting

c. natural

d. rational

38. The best subset for number 0 is numbers

a. Counting

b. Natural

c. Integer

d. Rational

39. -0.3 -2.5

a. >

b. <

c. =

d. $\neq$ **40.** $-\frac{7}{8}$ $-\frac{3}{8}$

a. >

b. <

c. =

d. $\neq$ **41.** The rational number -2.14 lies between

a. 1, 2

b. - 1, - 2

c. 2, 3

d. - 2, - 3

42. $0.6 < \dots < 0.7$

a. 0.72

b. 0.56

c. 0.65

d. 0.357

43. The number Is lying between 2.14 and 2.2

a. 2.15

b. 2.21

c. 2.20

d. 2.22

44. $|-6| = \dots$

a. - 6

b. 6

c. 0

d. 12

45. $\left|-1\frac{2}{9}\right| \dots \left|1\frac{2}{9}\right|$

a. >

b. <

c. =

d. $\neq$ **46.** $|3| \dots |-3|$

a. >

b. <

c. =

d. $\neq$ **47.** $-|4| \dots |4.8|$

a. >

b. <

c. =

d. $\neq$

48. $|-8| \dots\dots\dots 6$

a. $>$

b. $<$

c. $=$

d. Otherwise

49. $-|5| \dots\dots\dots 0$

a. $>$

b. $<$

c. $=$

d. $\neq$

50. $|2| + |-3| = \dots\dots\dots$

a. 1

b. 5

c. 2

d. -1

51. $|-4| < \dots\dots\dots$

a. 4

b. -4

c. 5

d. -5

52. The additive inverse of the number $|-5|$ is $\dots\dots\dots$

a. 10

b. -10

c. 5

d. -5

53. Which of the following mathematical expression does not represent an algebraic expression?

a. $3x + 2y$

b. $X = 4$

c. $5x + 3$

d. $4m - 5$

54. The coefficient of the algebraic term in the algebraic expression: $7x - 4$

a. 0

b. 4

c. -4

d. 7

55. The algebraic term whose coefficient is 5 is $\dots\dots\dots$

a. $n - 5$

b. $n + 5$

c. $5n$

d. $\frac{n}{5}$

56. The number of terms of the algebraic expression: $8x + 3 + 5y + 7$ is $\dots\dots\dots$

a. 2

b. 3

c. 4

d. 5

57. One-fifth of the number n is written as $\dots\dots\dots$

a. $n - 5$

b. $n + 5$

c. $5n$

d. $\frac{n}{5}$

58. If the age of Ahmed is x years old, then her age 3 years ago is $\dots\dots\dots$

a. $X - 3$

b. $X + 3$

c. 3

d. $3x$

2. Answer the following:

1. Write 5 numbers that are divisible by 2 and 3 together

2. Find the prime factors of the numbers 10 and 15

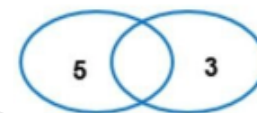
3. Use Venn diagram to find the G.C.F of 24 and 32

4. Find the L.C.M to the numbers 8 and 10

5. From the opposite Venn diagram:

The G.C.F =

The L.C.M =



6. In the opposite Venn diagram, complete

a. A =

b. B =

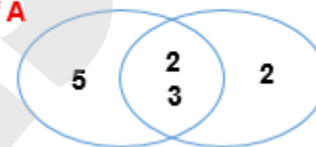
c. G.C.F =

d. L.C.M =

e. Expression: (..... +)

Prime factors
of A

Prime factors
of B



7. Walaa wanted to distribute 18 pens and 24 notebooks into equal groups. What is the largest number of groups and how many pens and notebooks in each group? (express numerically this situation)

8. $18 + 36 = \dots\dots (\dots + \dots)$

9. Use (G.C.F) to find the result of: $25 + 20$

10. Use the distributive property to find: $42 + 28$

11. Use the distributive property to find the product of: $6 (2 + 7)$

12. Find L.C.M of the denominators of the fractions: $\frac{1}{3}$ and $\frac{3}{21}$

13. Walid bought $2\frac{2}{5}$ kg of tomatoes and 1 kg of cucumber. What is the total amount that Walid bought?

14. Dalia studied Arabic for $\frac{7}{8}$ hour, then studied mathematics for $1\frac{1}{4}$ hour. Find the total number of hours that Dalia studied?

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15. • $\frac{3}{5} - \frac{2}{7} = \dots\dots\dots$

• $2\frac{5}{6} + 3\frac{1}{4} = \dots\dots\dots$

16. What is the integer that lies directly to the left of the number -7 ?17. If $|-22| = a$ then what is the value of a ?18. Find the value of x if: $|x| = 9$ 19. Arrang in ascending order:
 $15, 0, -3, 2, -5, 9, -17$ 20. Arrang in ascending order:
 $3.4, -3.4, 2.28, -0.5$ 21. Arrang in descending order:
 $5, -5, |11|, |7|, 0, -|11|$ 22. write the following numbers in the form of $\frac{a}{b}$:
 $-1.7, 0.5, 45, -2, 0.25$ 23. Determine the following numbers on the number line:
 $-1.5, 0.5, 3, -2.5, 0, 1.5, 1\frac{3}{4}$ 24. Write a rational number that lies between $\frac{5}{7}$ and $\frac{6}{7}$ 25. Write a rational number that lies between -3.75 and -3.76

26. If the temperature is 7 below zero, write the representing number

27. Write the set which the number -0.288 belongs

28. a submarine is located 15 meters below sea level, and a fish is located 10 meters below sea level at the same time, which is closer to sea level?

29. Write two negative numbers whose absolute values greater than the number 6

30. Identify the variables in the algebraic expression: $5x - 7 + 3y + 5$

Grade 6 (October Rev.)

31. Identify the constants in the algebraic expression: $8 + 6n - 4$
.....
32. Identify the like terms in the algebraic expression: $8a - 2a + 3$
.....
33. Write the similar terms in the expression: $4x + 4 - 4x + 4$
.....
34. Write the number of terms in the expression: $14 - 5m + 7 - 2n + 9$
.....
35. Write the coefficients of the algebraic expression: $m + 41 + 3n - 6$
.....
36. Write the coefficient of the algebraic expression: $\frac{x}{9}$
.....
37. Write the algebraic expression that express:
twice a number subtracted from 5
.....
38. Write the algebraic expression that express:
Half a number added to it is 7
.....
39. Write the algebraic expression that express:
A number divided by 5 then 3 is added
.....
40. Write the algebraic expression that express:
Three times the number w added 7 to it
.....
41. Write the algebraic expression that express:
7 multiplied by the result of subtraction of h from 6
.....
42. Dalia has x pounds. She spent 30 pounds. Write an algebraic expression
expresses Dalia's situation
.....
43. Write the mathematical expression that represents the number of books
that Walid read: (Walid read 5 literary books and d practical books)
.....
44. Write a verbal expression that expresses: $3d$
.....
45. Write a verbal expression that expresses: $2x + 1$
.....
46. Express using a verbal sentence: $18 - 2x$
.....

Grade 6 (October Rev.)

1. Choose the correct answer:

1. The number Is divisible by 5

☒ a. 735

b. 573

c. 357

d. 63,537

2. The number is divisible by both 3 and 6

a. 33

b. 21

☒ c. 12

d. 9

3. The number 507 is divisible by (Without remainder)

a. 2

b. 5

☒ c. 3

d. 10

4. $(196 + \dots)$ is divisible by 10

a. 1

b. 2

c. 3

☒ d. 4

5. G.C.F for the two numbers 6 and 9 is

a. 1

b. 2

☒ c. 3

d. 18

6. G.C.F for the numbers 4 and 8 is

☒ a. 4

b. 8

c. 12

d. 32

7. The number its factors are 2, 3, 5 is

a. 20

☒ b. 30

c. 15

d. 10

8. The numbers 5, 8 are called numbers

a. Odd

b. Even

☒ c. Relatively prime

d. Not prime

9. The G.C.F of 5 and 8 is

☒ a. 1

b. 40

c. 5

d. 8

10. The L.C.M of 6 and 7 is

a. 1

☒ b. 42

c. 6

d. 7

11. $(\dots + 3) \times 3 = 15 + 9$ ☒ a. 5

b. 24

c. 15

d. 2

12. $14 + 21 = 7 (2 + \dots)$

a. 1

b. 2

☒ c. 3

d. 7

13. $\frac{6}{8} - \frac{1}{2} = \dots$

a. $\frac{1}{8}$ b. $\frac{5}{8}$ c. $\frac{5}{6}$ ☒ d. $\frac{1}{4}$

14. $-9 \dots -5$

a. $>$ ☒ b. $<$ c. $=$

d. Otherwise

15. $-5 \dots 0$

a. $>$ ☒ b. $<$ c. $=$

d. Otherwise

16. The number represent the balance point of opposite number on the number line is

a. -1

b. 1

☒ c. 0

d. 10

17. is neither positive nor negative integer

☒ a. Zero

b. 1

c. -1

d. 100

18. The smallest non- negative integers is

☒ a. 0

b. 1

c. -1

d. 2

19. The largest negative integer is

a. -10

b. 0

c. 1

☒ d. -1

20. The smallest positive integer is

a. 0

☒ b. 1

c. -1

d. 2

21. The additive invers of - 3 is

☒ a. 3

b. -3

c. 0

d. 6

22. The additive inverse of 0 is

☒ a. 0

b. 1

c. 2

d. 3

23. The opposite of 5 is

a. 5

☒ b. -5

c. 0

d. 10

24. Two opposite numbers. one of them is -9 , the other number is
 a. -9 ☒ b. 9 c. 18 d. 0
25. The height of a city of 15 meters above sea level is represented by the number
☒ a. 15 b. -15 c. 0 d. 13
26. $-9 < \dots\dots\dots$
 a. -10 b. -15 c. -11 ☒ d. -1
27. The smallest number from the following: 0 , -28 , 15 , -12 is
 a. 0 ☒ b. -28 c. 15 d. -12
28. The integer which comes just after -3 is
 a. -4 ☒ b. -2 c. 2 d. 3
29. The number of integers between -3 and 3 is
 a. 2 b. 3 c. 4 ☒ d. 5
30. Which of the following is an integer?
 a. $\frac{16}{5}$ b. $-\frac{2}{4}$ ☒ c. $-\frac{15}{5}$ d. -0.4
31. All the following numbers are rational except
 a. 1 b. $\frac{2}{7}$ c. $\frac{4-4}{7}$ ☒ d. $\frac{8}{5-5}$
32. $-\frac{2}{7}$ to the set of integers
 a. Belong ☒ b. Not belong c. Subset d. Not subset
33. -12 the set of counting numbers
 a. Belong to ☒ b. Not belong to c. Subset of d. Not subset of
34. 0.25 the set of rational numbers
☒ a. Belong to b. Not belong to c. Subset of d. Not subset of
35. The set of integers the set of rational numbers
 a. Belongs to b. Does not belong
☒ c. Is subset of d. Is not subset of

36. The number Belongs to the set of natural numbers

a. 2.25

b. - 5

c. 0

d. $-1\frac{1}{2}$

37. The number $1\frac{1}{2}$ belongs to the set of numbers

a. integers

b. counting

c. natural

d. rational

38. The best subset for number 0 is numbers

a. Counting

b. Natural

c. Integer

d. Rational

39. -0.3 -2.5

a. $>$ b. $<$ c. $=$ d. $\neq$

40. $-\frac{7}{8}$ $-\frac{3}{8}$

a. $>$ b. $<$ c. $=$ d. $\neq$

41. The rational number -2.14 lies between

a. 1, 2

b. - 1, - 2

c. 2, 3

d. - 2, - 3

42. $0.6 < \dots < 0.7$

a. 0.72

b. 0.56

c. 0.65

d. 0.357

43. The number Is lying between 2.14 and 2.2

a. 2.15

b. 2.21

c. 2.20

d. 2.22

44. $|-6| = \dots$

a. - 6

b. 6

c. 0

d. 12

45. $|-1\frac{2}{9}| \dots |1\frac{2}{9}|$

a. $>$ b. $<$ c. $=$ d. $\neq$

46. $|3| \dots |-3|$

a. $>$ b. $<$ c. $=$ d. $\neq$

47. $-|4| \dots |4.8|$

a. $>$ b. $<$ c. $=$ d. $\neq$

48. $|-8| \dots\dots\dots 6$

☒ a. $>$ b. $<$ c. $=$

d. Otherwise

49. $-|5| \dots\dots\dots 0$

a. $>$ ☒ b. $<$ c. $=$ d. $\neq$

50. $|2| + |-3| = \dots\dots\dots$

a. 1

☒ b. 5

c. 2

d. -1

51. $|-4| < \dots\dots\dots$

a. 4

b. -4

☒ c. 5

d. -5

52. The additive inverse of the number $|-5|$ is $\dots\dots\dots$

a. 10

b. -10

c. 5

☒ d. -5

53. Which of the following mathematical expression does not represent an algebraic expression?

a. $3x + 2y$ ☒ b. $X = 4$ c. $5x + 3$ d. $4m - 5$

54. The coefficient of the algebraic term in the algebraic expression: $7x - 4$

a. 0

b. 4

c. -4

☒ d. 7

55. The algebraic term whose coefficient is 5 is $\dots\dots\dots$

a. $n - 5$ b. $n + 5$ ☒ c. $5n$ d. $\frac{n}{5}$

56. The number of terms of the algebraic expression: $8x + 3 + 5y + 7$ is $\dots\dots\dots$

a. 2

b. 3

☒ c. 4

d. 5

57. One-fifth of the number n is written as $\dots\dots\dots$

a. $n - 5$ b. $n + 5$ c. $5n$ ☒ d. $\frac{n}{5}$

58. If the age of Ahmed is x years old, then her age 3 years ago is $\dots\dots\dots$

☒ a. $X - 3$ b. $X + 3$

c. 3

d. $3x$

2. Answer the following:

1. Write 5 numbers that are divisible by 2 and 3 together

6, 12, 18, 24, 30

2. Find the prime factors of the numbers 10 and 15

10 = 2 × 5, 15 = 3 × 5

3. Use Venn diagram to find the G.C.F of 24 and 32

G.C.F = 8

24 = 2 × 2 × 2 × 3
32 = 2 × 2 × 2 × 2

4. Find the L.C.M to the numbers 8 and 10

L.C.M = 40

5. From the opposite Venn diagram:

The G.C.F = 1

The L.C.M = 15



6. In the opposite Venn diagram, complete

a. A = 30

b. B = 12

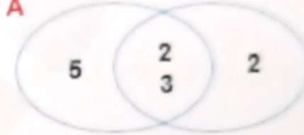
c. G.C.F = 6

d. L.C.M = 60

e. Expression: 6 (5 + 2)

Prime factors of A

Prime factors of B



7. Walaa wanted to distribute 18 pens and 24 notebooks into equal groups. What is the largest number of groups and how many pens and notebooks in each group? (express numerically this situation)

Largest number = 6

expression: 6 (3 + 4)

3 Pens
4 notebooks

8. $18 + 36 = 6 (3 + 6)$

9. Use (G.C.F) to find the result of: $25 + 20$

5 (5 + 4)

10. Use the distributive property to find: $42 + 28$

7 (6 + 4)

11. Use the distributive property to find the product of: $6 (2 + 7)$

12 + 42 = 54

12. Find L.C.M of the denominators of the fractions: $\frac{1}{3}$ and $\frac{3}{21}$

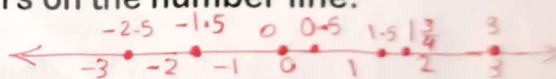
21

13. Walid bought $2\frac{2}{5}$ kg of tomatoes and 1 kg of cucumber. What is the total amount that Walid bought?

$2\frac{2}{5} + 1 = 3\frac{2}{5}$ kg

14. Dalia studied Arabic for $\frac{7}{8}$ hour, then studied mathematics for $1\frac{1}{4}$ hour. Find the total number of hours that Dalia studied?

$\frac{7}{8} + 1\frac{1}{4} = \frac{7}{8} + 1\frac{2}{8} = 1\frac{9}{8} = 2\frac{1}{8}$ hours

15. • $\frac{3 \times 7}{5 \times 7} - \frac{2 \times 5}{7 \times 5} = \frac{21}{35} - \frac{10}{35} = \frac{11}{35}$ • $2\frac{5 \times 2}{6 \times 2} + 3\frac{1 \times 2}{4 \times 2} = 2\frac{10}{12} + 3\frac{2}{12} = 5\frac{12}{12} = 6\frac{1}{12}$
16. What is the integer that lies directly to the left of the number -7 ?
..... -8
17. If $|-22| = a$ then what is the value of a ?
..... 22
18. Find the value of x if: $|x| = 9$
..... 9 or -9
19. Arrang in ascending order:
15, 0, -3 , 2, -5 , 9, -17
..... $-17, -5, -3, 0, 2, 9, 15$
20. Arrang in ascending order:
3.4, -3.4 , 2.28, -0.5
..... $-3.4, -0.5, 2.28, 3.4$
21. Arrang in descending order:
5, -5 , $|11|$, $|7|$, 0, $-|11|$
..... $|11|, |7|, 5, 0, -5, -|11|$
22. write the following numbers in the form of $\frac{a}{b}$:
 -1.7 , 0.5, 45, -2 , 0.25
..... $-\frac{17}{10}, \frac{5}{10}, \frac{45}{1}, -\frac{2}{1}, \frac{25}{100}$
23. Determine the following numbers on the number line:
 -1.5 , 0.5, 3, -2.5 , 0, 1.5, $1\frac{3}{4}$

24. Write a rational number that lies between $\frac{50}{70}$ and $\frac{60}{70}$
..... $\frac{51}{70}$
25. Write a rational number that lies between -3.75 and -3.76
..... -3.751
26. If the temperature is 7 below zero, write the representing number
..... -7
27. Write the set which the number -0.288 belongs
..... rational numbers
28. a submarine is located 15 meters below sea level, and a fish is located 10 meters below sea level at the same time, which is closer to sea level?
..... fish is closer
29. Write two negative numbers whose absolute values greater than the number 6
..... $-7, -8$
30. Identify the variables in the algebraic expression: $5x - 7 + 3y + 5$
..... x, y

31. Identify the constants in the algebraic expression: $8 + 6n - 4$
.....
32. Identify the like terms in the algebraic expression: $8a - 2a + 3$
..... $8a, -2a$
33. Write the similar terms in the expression: $4x + 4 - 4x + 4$
..... $4x, -4x, 4, 4$
34. Write the number of terms in the expression: $14 - 5m + 7 - 2n + 9$
..... 5
35. Write the coefficients of the algebraic expression: $m + 41 + 3n - 6$
..... $1, 3$
36. Write the coefficient of the algebraic expression: $\frac{x}{9}$
..... $\frac{1}{9}$
37. Write the algebraic expression that express:
twice a number subtracted from 5
..... $5 - 2x$
38. Write the algebraic expression that express:
Half a number added to it is 7
..... $\frac{x}{2} + 7$
39. Write the algebraic expression that express:
A number divided by 5 then 3 is added
..... $\frac{x}{5} + 3$
40. Write the algebraic expression that express:
Three times the number w added 7 to it
..... $3w + 7$
41. Write the algebraic expression that express:
7 multiplied by the result of subtraction of h from 6
..... $7 \times (6 - h)$
42. Dalia has x pounds. She spent 30 pounds. Write an algebraic expression
expresses Dalia's situation
..... $x - 30$
43. Write the mathematical expression that represents the number of books
that Walid read: (Walid read 5 literary books and d practical books)
..... $5 + d$
44. Write a verbal expression that expresses: $3d$
..... $3 \text{ times the number } d$
45. Write a verbal expression that expresses: $2x + 1$
..... $\text{double of number } x \text{ added to } 1$
46. Express using a verbal sentence: $18 - 2x$
..... $18 \text{ less the double of number } x$

حمل الآن

مجاناً وحصرياً

المراجعة رقم (7)

اختبار شهر اكتوبر



Choose the correct answer:

1

..... is divisible by 5.

- a** 240 **b** 234 **c** 457 **d** 551

2

..... is a common factor of all numbers.

- a** 0 **b** 1 **c** 2 **d** 10

3

The GCF of 4 and 9 is

- a** 0 **b** 1 **c** 2 **d** 3

4

(13 + ...) is divisible by 10.

- a** 1 **b** 2 **c** 5 **d** 7

5

 $3(2 + 5) = \dots$

- a** $6 + 5$ **b** $6 + 10$ **c** $6 + 15$ **d** $3 + 7$

6

... and ... are relatively prime numbers.

- a** 3 and 6 **b** 6 and 9 **c** 4 and 12 **d** 4 and 9

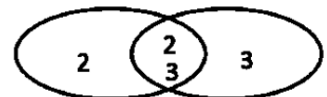
7

The LCM of two relatively prime numbers is

- a** 0 **b** 1 **c** their product **d** their sum

8

From the opposite Venn diagram, the LCM = ...



- a** 2 **b** 3 **c** 6 **d** 36

9

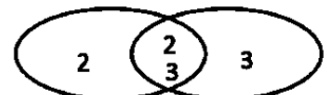
From the opposite Venn diagram, the GCF = ...



- a** 0 **b** 1 **c** 5 **d** 7

10

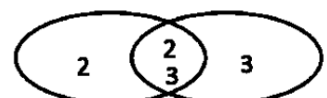
From the opposite Venn diagram, the GCF = ...



- a** 2 **b** 3 **c** 6 **d** 36

11

The expression that represents opposite Venn diagram is =



- a** $6(2 + 3)$ **b** $5(2 + 3)$ **c** $2(5 + 3)$ **d** $3(2 + 6)$

12	The number which all its prime factors 2, 2, 3, 3 is	a 2	b 3	c 6	d 36
13	The GCF of 12 and 36 is	a 0	b 1	c 12	d 36
14	The integer that just after (next) -8 is	a -7	b -8	c -9	d 8
15	The additive inverse of (-9.3) is	a 0	b 1	c 9.3	d -9.3
16	$ -5 = \dots\dots$	a 0	b 1	c 5	d -5
17	If $ a = 9$, then $a = \dots\dots$	a 9	b -9	c 0	d -9 or 9
18	$-2 \dots\dots -3$	a <	b >	c =	d otherwise
19	$ -5 \dots\dots -(-5)$	a <	b >	c =	d otherwise
20	An integer is between -5 and 3	a 2	b 4	c 6	d 7
21	Number of integers between -2 and 2 is	a 1	b 0	c -1	d 3
22	$2\frac{1}{2} = \dots$ (in the form $\frac{a}{b}$)	a $\frac{5}{2}$	b $\frac{2}{5}$	c 2.5	d $-\frac{5}{2}$
23	$-0.25 \dots\dots -0.45$	a <	b >	c =	d otherwise
24	$15 \dots\dots -18 $	a <	b >	c =	d otherwise

- 25** The greatest negative integer is
- a** 0 **b** 1 **c** -1 **d** -100
-
- 26** The smallest non-negative integer is
- a** 0 **b** 1 **c** -1 **d** 2
-
- 27** The best description of the number (-2) is number
- a** counting **b** integer **c** natural **d** rational
-
- 28** The best description of the number (0) is number
- a** counting **b** integer **c** natural **d** rational
-
- 29** The best description of the number (5) is number
- a** counting **b** integer **c** natural **d** rational
-
- 30** The best description of the number (3.5) is number
- a** counting **b** integer **c** natural **d** rational
-
- 31** All numbers are divisible by 2.
- a** positive **b** integer **c** even **d** negative

Essay Problems:

1

The food bank needs to distribute 324 food boxes. Is it possible to distribute these boxes equally among 4 villages?

.....

2

A student collected 15 sugar bags and 9 packs of cheese in order to make donation boxes for the needy. What is the greatest number of boxes he can make?

.....

.....

.....

.....

3 Arrange the following integers in an ascending order:

3	-5	0	-2	6
.....				

4 Arrange the following integers in an ascending order:

$ -41 $	-42	0	$ -42 $	40	-40
.....					

5 Arrange the following integers in a descending order:

11	-8	15	$ -9 $	-5
.....				

6 Write the integers that are between -2 and 4

.....

7 Which is smaller: $|-4|$ or (-3) ?

8 Which is greater: 15 or $|-18|$?

9 Write two negative integers their absolute values are more than 25.

.....

10 A submarine located at a depth of 18 meters below the sea level. If a fish located at a depth of 14 meters below the sea level, which is closer to the sea level?

11 Find the value of x in the following cases:

(a) $|x| = 9$

(b) $x = |-8|$

.....

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

